JENSEN

VM9214

Operating Instructions

160 watts peak
40W x 4

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CONTENTS

Thank you for choosing a Jensen product. We hope you will find the instructions in this owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new Jensen VM9214 Mobile Multimedia Receiver for maximum enjoyment.

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FEATURES

Congratulations on your purchase of the Jensen VM9214 Mobile Multimedia Receiver.

It's a good idea to read all of the instructions before beginning the installation. We recommend having your Jensen VM9214 installed by a reputable installation shop.

DVD

- Aspect Ratio - Full and Normal
- Fast Forward - 2X, 4X, 8X and 20X
- Slow Motion - 2X, 4X, 8X and 20X
- Play, Pause, Stop, Next Chapter and Previous Chapter

CD / MP3 / WMA

- CD-Text Compatible
- ID3 Tag Compatible
- Directory Search (MP3 / WMA Only)
- Direct Track Access via Remote Control
- Burn up to 1500 MP3 and WMA Files onto a DVD±R / RW
- Audible Forward / Reverse Track Search (CD-DA Only)
- Random, Repeat and Intro
- Play, Pause, Stop, Next Track and Previous Track

AM-FM

- USA / Europe / Latin America / Asia Frequency Spacing
- 30 Station Presets (18 FM / 12 AM)
- Auto Stereo / Mono
- Local / Distance
- Auto Store / Preview Scan

iPod

- iPod via USB
- High Speed Direct Connect Interface to Access iPod Playlists, Artists, Albums and Songs. Play music and view video/photo* files from your iPod. *Video/photo playback requires jLink-USB iPod interface cable (sold separately).
- Power Management Charges iPod while Connected

Chassis

- 1.0 DIN (Import / ISO-DIN Mountable)
- Motorized Flip-Out / Flip-Up LCD Screen
- 8 Character / Segment Type Secondary LCD Display
- 7" TFT Active Matrix LCD
- 336, 960 Sub Pixels (1440W X 234H)
- Screen Tilt / Angle Adjustment
- Beep Tone Confirmation (ON-OFF Option)

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- Heat Management System - Forced Air-Cooling To Keep The Chip-Sets Operating at Nominal Temperatures

General

- Navigation Ready (NAV102)
- Bluetooth Ready (with purchase of BTM10) providing hands-free profile for safety / convenience and A2DP profile for streaming music from a PDA / PMP
- 44-Key Infrared Remote Control
- One Composite Video Output for Additional Screens
- Front Panel Audio/Video Input
- Three-Band Tone control (Bass, Mid and Treble) with Eight Preset EQ Curves
- Front Panel A/V Aux Input for Portable Media Devices
- Front, Rear and Subwoofer Line Output
- Programmable Volume Control
- Rear Camera Input (Normal and Mirror Image View)
- Touch Screen Calibration Mode
- 2VRMS Line Output - All Channels
- Rotary Encoder Audio Control
- SWC Interface – Compatible with PAC adapter SWI-PS Steering Wheel Control Interface, sold separately

Optional Equipment

- **NAV102**
  The VM9214 is "navigation ready." Before accessing any navigation features, you must purchase and install the navigation module (NAV102). All installation and operating instructions will be included with the navigation module.
  Once the navigation module is connected and operating properly, the NAV source mode will become active. While the navigation module is not installed, the NAV option appears gray, indicating the function is not available.
- **BTM10**
  Before you can connect to a Bluetooth enabled device, you must purchase and install the Jensen BTM10.
- **Bluetooth Phone**
  See “Bluetooth Operation” on page 48.
- **Rear Camera**
  The VM9214 is "camera ready." Before accessing any camera features, you must purchase and install a rear video camera. Once the rear camera is connected and operating properly, the CAMERA source mode will become active. While the camera is not installed, the CAMERA option appears gray, indicating the function is not available.

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WARNING! Never install this unit where operation and viewing could interfere with safe driving conditions.

WARNING! To reduce the risk of a traffic accident (except when using for rear view video camera) never use the video display function while driving the vehicle. This is a violation of federal law.

WARNING! Never disassemble or adjust the unit.

WARNING! To prevent injury from shock or fire, never expose this unit to moisture or water.

WARNING! Never use irregular discs.

WARNING! To prevent damage to the mechanism inside this unit, avoid impact to the TFT monitor.

WARNING! The monitor employs an automatic motorized mechanism. To prevent damage to the core mechanism, please do not push, pull or swivel the monitor manually.

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CONTROLS AND INDICATORS

1. CLOSE/OPEN

Press to activate the automatic mechanical system and move the TFT monitor into viewing position. Press again to close the TFT.

2. PIC/BAND

Press to adjust the Brightness and Contrast (see “Image/Display Settings” on page 12).

With the monitor closed, press **BAND** to change between three FM and two AM bands.

3. DISC SLOT

4. WIDE/ |<<

Press to adjust the display aspect of the picture to one of two settings: Full, Normal or STANDBY.

With the monitor closed, press to seek backward.

When the NAV102 is connected to the VM9214, *press and hold* to display the navigation user interface. The TFT screen must be open for this function to operate.

5. TILT / >>|

Press to activate the tilt function. Use the rotary encoder to make adjustments while the blue tilt icon is flashing.

With the monitor closed, press to seek forward.

6. EJECT

Press to eject a disc.

Press and hold to reset core mechanism position.

7. LCD Display

8. DISP

With the monitor closed, press to view alternate LCD display information.

9. IR Remote Control Receiver

10. SRC

Press to turn the unit on. *Press and hold* to turn the unit off.

When on, press once to select playing mode.

11. Rotary Encoder

Rotate to adjust the volume. While in the audio menu, press and release to enter and/or confirm audio settings.

Press to activate the MUTE function and silence the receiver. Press again to resume sound.

Press and hold to activate the Local (LOC) setting. *Press and hold* again to turn Local reception off.

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12. RESET

Press to reset system settings to factory default (except the password and parental lock setting).

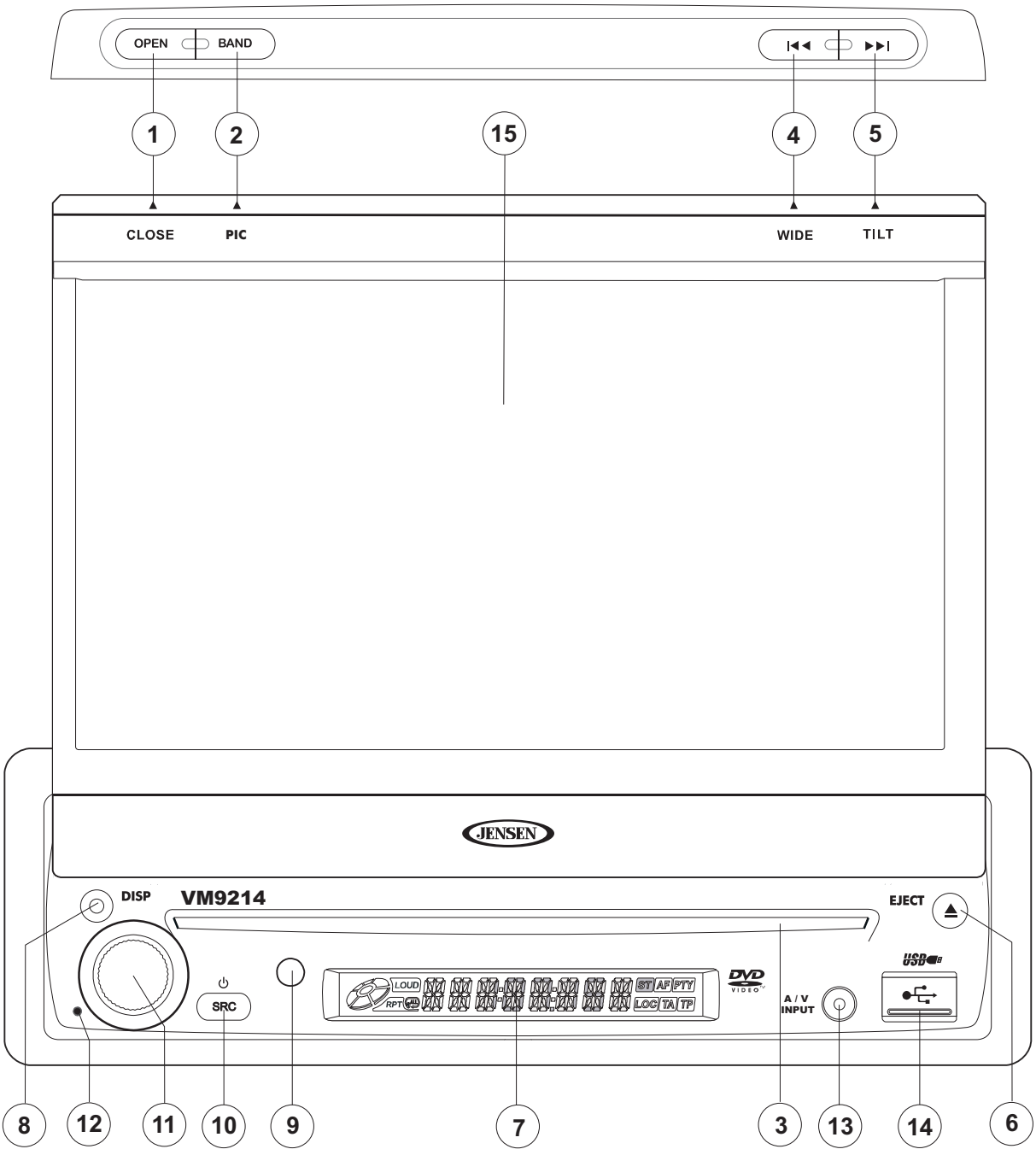
13. A/V Input

Attach a compatible A/V device.

14. USB Interface Connector

Connect a USB device for playback of music/video files.

15. TFT Display



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REMOTE CONTROL

See Table 1 for remote control functions.

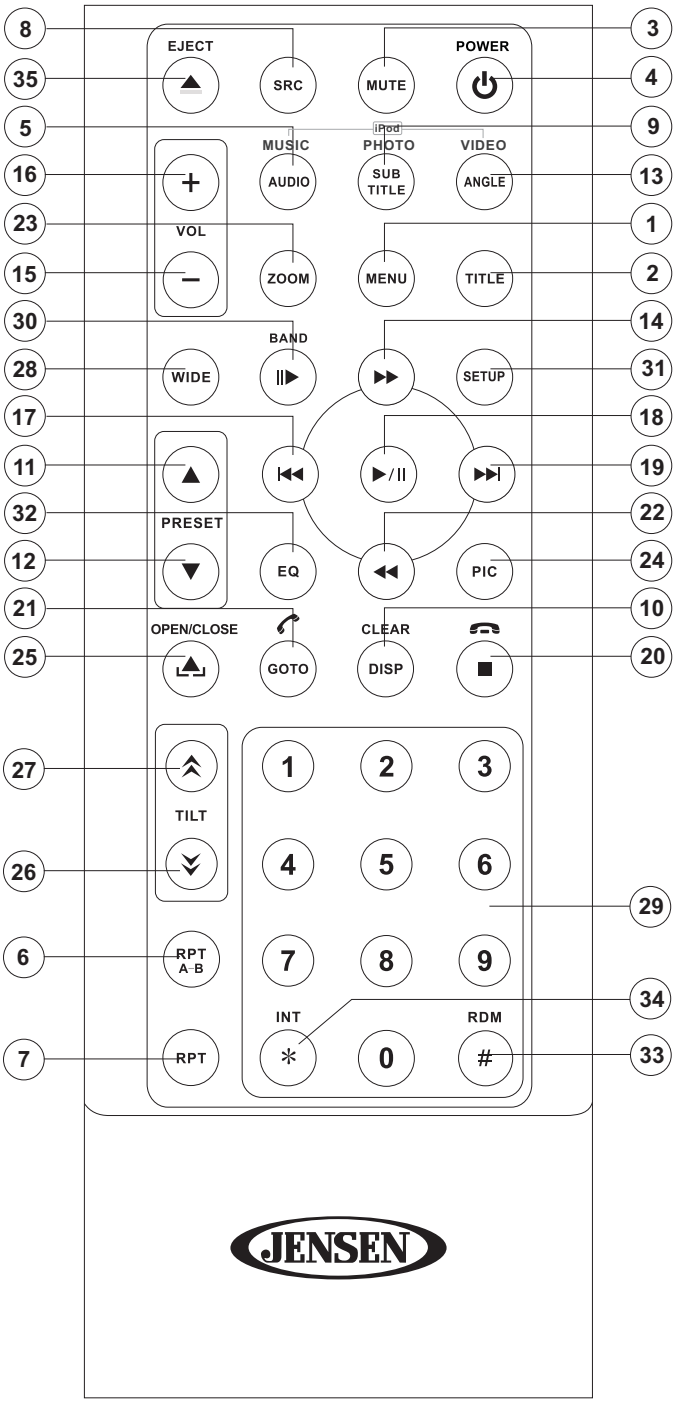

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Table 1: Remote Control Functions

Button		Function				
Name	#	DVD	VCD	TUNER	CD/MP3/ USB	iPod
MENU	1	Enters the main menu of the disc	Turns on/off PBC when playing VCD			Selects Photo mode
TITLE	2	Enters the title menu of the disc	Plays first ten seconds of each chapter/title			Selects Music mode
MUTE	3	Toggles on/ off audio output	Toggles on/ off audio output	Toggles on/ off audio output	Toggles on/ off audio output	Toggles on/ off audio output
POWER/⏻	4	Turns the power on/ off	Turns the power on/ off	Turns the power on/ off	Turns the power on/ off	Turns the power on/off
AUDIO	5	Changes the audio language for disc playback				Selects Music mode
REPT A-B	6	Setup to repeat play-back from time frame A to time frame B	Setup to repeat play-back from time frame A to time frame B			
REPT	7	Repeats playback of current chapter	Repeats playback of current chapter		Repeats playback of current track	Repeats playback of current track
SRC	8	Selects playing mode	Selects playing mode	Selects playing mode	Selects playing mode	Selects playing mode
SUBTI-TLE	9	Language selection for subtitle				Selects Photo mode

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Table 1: Remote Control Functions

Button		Function				
Name	**#**	**DVD**	**VCD**	**TUNER**	**CD/MP3/ USB**	**iPod**
DISP/ CLEAR	10	Displays playing information Delete entry or move backwards to correct error in Direct Access mode	Displays playing information Delete entry or move backwards to correct error in Direct Access mode	Displays playing information Delete entry or move backwards to correct error in Direct Access mode	Display playing information Delete entry or move backwards to correct error in Direct Access mode	Displays playing information Delete entry or move backwards to correct error in Direct Access mode
PRE-SET /\	11			Navigates the preset station list		
PRE-SET \/	12			Navigates the preset station list		
ANGLE	13	Plays back disc in different angle for a scene	Plays back Picture CD with different angle of picture displayed			Selects Video mode
>>	14	Fast forwards the disc content	Fast forwards the disc content		Fast forwards the disc content	Accesses iPod Menu
VOL -	15	Decreases volume	Decreases volume	Decreases volume	Decreases volume	Decreases volume
VOL +	16	Increases volume	Increases volume	Increases volume	Increases volume	Increases volume
|<<	17	Selects the previous chapter for playback	Selects the previous chapter for playback	Searches an available radio station by decreasing tuning frequency	Selects the previous track for playback	Pauses playback/ starts playback
>/||	18	Pauses playback/ starts playback	Pauses playback/ starts playback		Pauses playback/ starts playback	

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Table 1: Remote Control Functions

Button		Function				
Name	#	DVD	VCD	TUNER	CD/MP3/ USB	iPod
>>|	19	Selects the next chapter for playback	Selects the next chapter for playback	Searches an available radio station by increasing tuning frequency	Selects the next track for playback	Selects the next track for playback
■ / ☎	20	Stops playback	Stops playback		Stops playback	
GOTO	21	Open direct entry search screen	Open direct entry search screen			
<<	22	Slow playback/slow rewind playback	Slow playback/slow rewind playback			
ZOOM	23	Zooms in/ out on an image	Zooms in/ out on an image			
PIC	24	Displays set-up parameters	Displays set-up parameters			
OPEN/ CLOSE	25	Opens/ closes the TFT monitor	Opens/ closes the TFT monitor	Opens/ closes the TFT monitor	Opens/ closes the TFT monitor	Opens/ Closes the TFT monitor
⩔	26	Decreases monitor tilt angle	Decreases monitor tilt angle	Decreases monitor tilt angle	Decreases monitor tilt angle	Decreases monitor tilt angle
⩓	27	Increases monitor tilt angle	Increases monitor tilt angle	Increases monitor tilt angle	Increases monitor tilt angle	Increases monitor tilt angle
WIDE	28	Selects display mode: FULL or NORMAL	Selects display mode: FULL or NORMAL			

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Table 1: Remote Control Functions

Button		Function				
Name	**#**	**DVD**	**VCD**	**TUNER**	**CD/MP3/ USB**	**iPod**
1, 2, 3, 4, 5, 6, 7, 8, 9, 0 (Numeric Key-pad)	29	Directly accesses chapter		1-6 selects preset for current band	Directly accesses track	
||> / BAND	30	Press repeatedly for slow motion for-ward/back-ward	Press repeatedly for slow motion for-ward/back-ward	Selects FM/ AM band		
SETUP	31	Displays Setup menu	Displays Setup menu	Displays Setup menu	Displays Setup menu	Displays Setup menu
EQ	32	Accesses equalizer menu	Accesses equalizer menu	Accesses equalizer menu	Accesses equalizer menu	Accesses equalizer menu
RDM	33	Plays all chapters in random order			Plays all tracks in random order	Plays all tracks in random order
INT	34				Plays the first ten sec-onds of each track	
EJECT	35	Ejects disc	Ejects disc	Ejects disc	Ejects disc	Ejects disc

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USING THE TFT MONITOR

Open/Close TFT Monitor

Open TFT Monitor

Press the **OPEN** button (1) on the front panel or press the (⏏) button (25) on the remote control to activate the mechanism that moves the display panel into the viewing position.

Close TFT Monitor

Press the **OPEN** button (1) on the front panel or press the (⏏) button (25) on the remote control to load the display panel back into the compartment.

TFT Monitor Auto Open

If “TFT Auto Open” is “on” when the unit is turned on, the monitor automatically moves to the viewing position.

If “TFT Auto Open” is ”off” when the unit is turned on, press the **OPEN** button (1) or (⏏) button (25) on the remote control to move the monitor into the viewing position.

If “TFT Auto Open” is set to ”Manual”, the TFT will not close when the key is turned off.

Monitor Tilt Angle Adjustment

A known characteristic of LCD panels is the quality of the display in relationship to the viewing angle. The monitor angle can be adjusted for optimum viewing using one of the following methods:

Step by Step Angle Adjustment

- Press the (⩓) or (⩔) button on the remote control to adjust the tilt angle of the screen one step at a time.
- Press the **TILT** button (5) on the unit. While the blue tilt icon is flashing, turn the rotary encoder to adjust the screen angle.

Continuous Angle Adjustment

Press and hold the (⩓) or (⩔) button on the remote control to adjust the tilt angle in a continuous motion.

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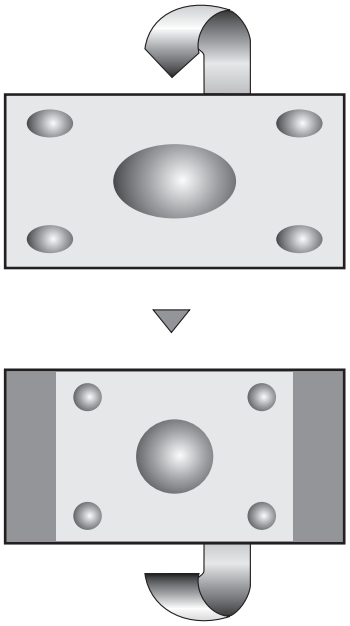
Aspect Ratio

Press the **DISP** button (10) on the remote control or **WIDE** button (4) on the monitor to adjust the aspect ratio as follows:



FULL
The entire screen is extended horizontally to the aspect ratio of 16 to 9. The extension ratio is the same at any point.

NORMAL
The conventional display image has a 4 to 3 ratio of horizontal to vertical, leaving a blank area on the right and left sides of the display.

STANDBY
Screen becomes black. Touch screen to resume.

Image/Display Settings

Video Output Modes

Table 2 shows the video output mode for each playing source.

Table 2: Video Output Modes

Playing Source	Video Output Modes
AM/FM TUNER	RGB Mode
DVD	RGB Mode
AUX IN	CVBS Mode

*CVBS – Composite Video Baseband Signal

Picture Adjustment

To adjust monitor display settings, perform the floowing steps:

1. Press the **PIC** button (24) on the remote control or monitor (2) repeatedly to move from the “BRIGHT” setting to “CONTRAST”.
2. Turn the rotary encoder to adjust the setting level.
3. Press the **PIC** button (24) on the remote control or monitor (2) 1-3 times to exit the picture adjustment menu.

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Parking Brake Inhibit

When the pink "Parking" wire is connected to the vehicle Parking Brake circuit, the front TFT monitor will display video when the Parking Brake is engaged. (When the pink wire is grounded via the Parking Brake circuit, video will be displayed.)

Monitor Movement Mechanism

If an obstruction occurs in the monitor path, the following protective measurements can be executed to prevent damage to the mechanism or monitor:

Table 3: Monitor Protective Measures

Obstruction	Self Protection	OPEN Button Pressed	Power Reconnected
Monitor loading out horizontally	Monitor is automatically loaded into unit	Monitor fully extended horizontally	Monitor is automatically loaded into unit
Monitor loading in horizontally	Unit stops at obstruction point	Monitor fully extended horizontally	Monitor is automatically loaded into unit
Monitor loading out vertically	Unit stops at obstruction point	Monitor swivels back to the unit	Monitor swivels back to the unit
Monitor loading in vertically	Unit stops at obstruction point	Monitor swivels back to the unit	Monitor swivels back to the unit

After the protective procedure is executed, normal operation is resumed by pressing the **OPEN** button (1) or disconnecting and reconnecting the power.

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OPERATING INSTRUCTIONS

Power On / Off

Press the ⏻/**SRC** button (10) on the unit (or the ⏻ button (4) on the remote control) to turn the unit on. The buttons on the front of the unit light up and the current mode status appears in the LCD (7). You can also turn on the unit by pressing the **OPEN** button (1) and opening the TFT screen.

Press and hold the ⏻ button to power off the unit.The monitor is drawn back into the main compartment.

Audible Beep Confirmation

An audible beep tone confirms each function selection. The Beep tone can be disabled through the Setup menu.

Mute/Line Mute

Press the rotary encoder button (11) on the front panel or the **MUTE** button (3) on the remote to mute the volume from the unit. Press the rotary encoder button again to restore the volume. “MUTE” is displayed on the LCD. Adjusting the volume or using any of the audio setup features cancels the mute function.

If the “MUTE” wire is connected, audio output mutes when a telephone call is received by the car phone (using optional BTM10) or when verbal navigation is performed (using optional NAV102).

Playing Source Selection

When the monitor is closed, press the **SRC** button on the front panel (10) or remote control (8) to change between available audio playing sources in the following order: RADIO, DISC, USB1, USB2, BT, NAV, AUX and CAMERA. The mode is displayed on the LCD screen.

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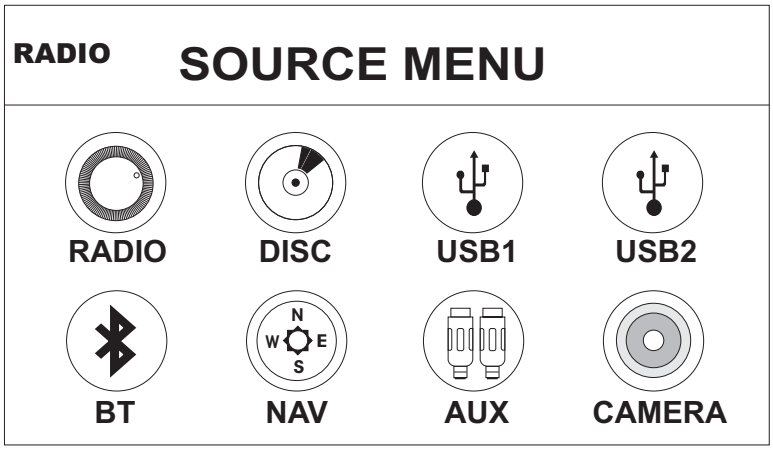
Source Menu

You can also use the touch screen to change the source through the SOURCE MENU. To access the SOURCE MENU, touch the top left corner of the screen or press the **SRC** button on the front panel (10) or remote control (8).

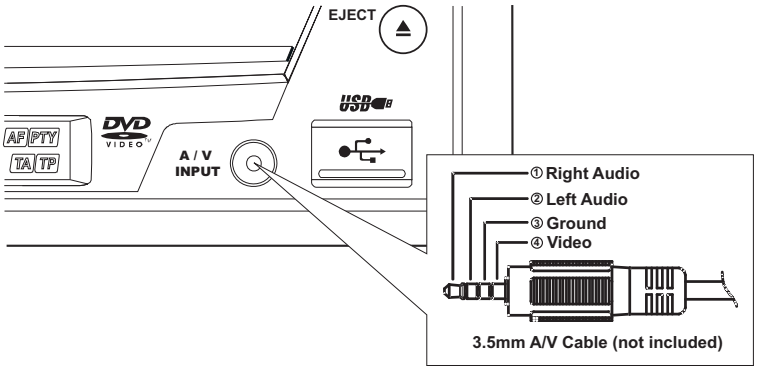


Touch the RADIO, DISC, USB1, USB2, BT, NAV, AUX or CAMERA button to select the corresponding source.

NOTE: If an iPod is attached to a USB1 port, "IPOD" appears instead of the text "USB1."

External Devices

External peripheral devices, including a game console, camcorder, navigation unit, iPod, Zune, etc. can be connected to this unit via RCA output using an A/V Media Adapter Cable (not included).



Connect the external device to the A/V Media Adapter Cable and then plug the cable into the **A/V INPUT** connector (13) on the front of the radio. Select "AUX" or "AUX IN" (when monitor is closed) mode to access auxiliary devices. You cannot directly control external devices connected to the **A/V INPUT**. For

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information regarding the use of USB devices, see “Inserting a USB Device” on page 40.

Volume Adjustment

Volume Increase/Decrease

To increase or decrease the volume level, turn the rotary encoder (11) on the front panel or press the **VOL-/+** buttons (15, 16) on remote control. When the volume level reaches “0” or “40”, a beep sounds, indicating that the adjustment limit has been reached. The LCD or TFT screen displays the volume level for 3 seconds.

Programmable Turn-On Volume

This feature allows the user to select a turn-on volume setting regardless of the volume setting prior to turning the unit off. To use this feature, the TFT monitor must be displayed.

To program a specific turn-on volume level, turn the rotary encoder (11) to adjust the volume to the desired turn-on volume. *Push and hold* the rotary encoder while the blue speaker icon and level indication is displayed on the screen. The unit will beep to confirm your turn-on volume setting.

Audio Control Menu

The Audio Control feature allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer.

Touch the **EQ** button on the left side of the screen or press the **EQ** button (32) on the remote control to display the audio menu.

- Use the touch screen **+/-** buttons to adjust the settings for an audio feature.
- To adjust an audio feature using the remote control, perform the following steps:
  a. Press the (**>>|**)/(**|<<**) buttons (19, 17) to highlight the audio feature to be adjusted.
  b. Press the **>/||** button (18) to select the highlighted option.

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c. Press the **|<<**, **>>|**, **>>**, or **<<** buttons (12, 15, 17, 20) on the remote control to adjust the selected feature to the desired setting.

Table 4: Audio Adjustments

Audio Function	Adjustable Range
EQ	User
	Acoustic
	Urban
	Rave
	Latin
	Dance
	Hip Hop
	Rock
BASS	-14 to +14
MID	-14 to +14
TREBLE	-14 to +14
SUB	-14 to 0
FAD	Grid
BAL	Grid

NOTE: The EQ mode will automatically change to "USER" when individual audio functions are adjusted.

The Audio menu will automatically exit after a few seconds of inactivity. To exit quickly, touch the top left corner of the screen or *press and hold* the rotary encoder (11).

System Reset

To correct a system halt or other illegal operation, use the tip of a pen to press the reset button (12) located on the front bottom-right corner of the unit. After a system reset, the unit restores all factory default settings.

[RESET] Button

NOTE: If the unit is reset while a DVD is playing, the DVD resumes play once the reset is complete.

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Steering Wheel Control (SWC)

The VM9214 is compatible with the PAC (Pacific Accessory Corporation) steering wheel control adapter SWI-PS. A 3.5mm female connector (labeled “SWC Interface”) on the back of the head unit allows connectivity to the PAC adapter. Please refer to the instructions included with the PAC adapter for detailed installation information.

SWC Functions

The following controls are available for most vehicles:

1. Vol Down
2. Vol Up
3. Mute
4. Seek Down / Previous Track / ** Preset Down
5. Seek Up / Next Track / ** Preset Up
6. SRC (Source)
7. ** Select
8. ** Select
9. Band

** If additional steering wheel control buttons are available on the vehicle, function 7 / 8 may be assigned the "Select" feature. This feature / function may not be available on some vehicles.

Select Operation

If "Select" (function 7 or 8) is held down and function 4 is pressed momentarily, Preset Up will be selected. If "Select" (function 7 or 8) is held down and function 5 is pressed momentarily, Preset Down will be selected.

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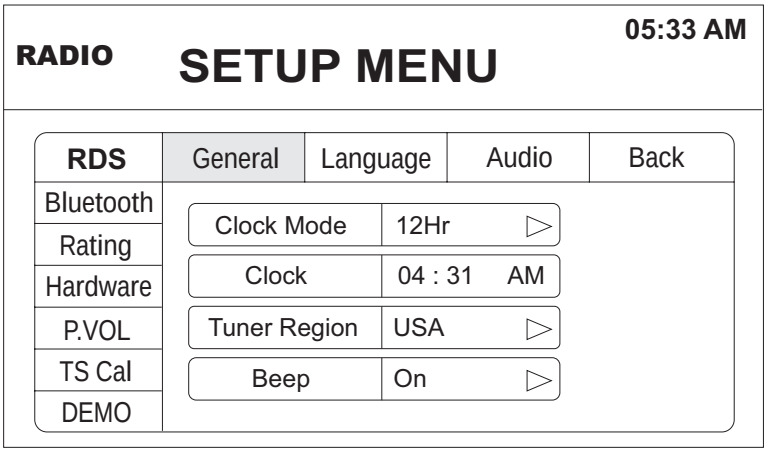
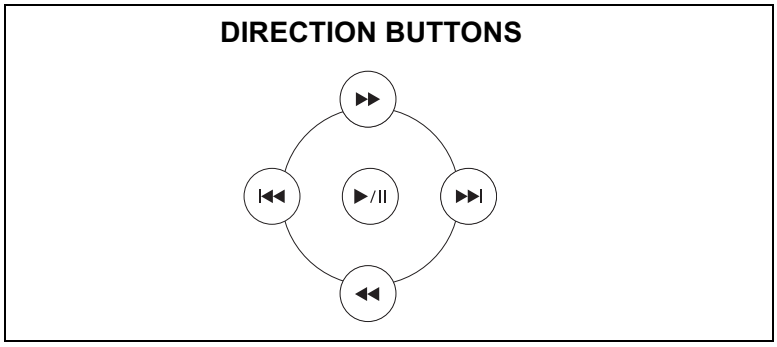
SETUP MENU

To access system settings, press the **SETUP** button (29) on the remote control or touch the ⚙ button on the screen to enter the “SETUP” menu. The “GENERAL” sub-menu appears highlighted in blue.



Accessing Menu Items

Touch the sub-menu name, press the **<<**, **>>**, **|<<**, or **>>|** direction buttons (22, 14, 17, 19) on the remote control to select a sub-menu (Language, Audio, RDS, etc.).



The features available for adjustment under the highlighted sub-menu option will appear in the center of the screen.

Adjusting a Feature

1. Use the touchscreen to select the feature to be adjusted.
2. Enter the option field for the feature you want to adjust by using the touchscreen or pressing the **>/||** button (18) on the remote control. A submenu appears in a second row with the selected option highlighted in blue.

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3. Select a new value by using the touchscreen or pressing the **>>** or **<<** buttons (14, 22) on the remote control.
4. Use the touchscreen or press the **>/||** button (18) on the remote control to confirm setup.

General Sub-menu Features

Setting	Options	Function
Clock Mode	12Hr	Clock displays 12 hour time using AM and PM.
	24Hr	Clock displays 24 hour time up to 23:59.
Clock	(HH:MM)	Clock appears in the top right corner of the screen and on the LCD screen during certain operations. NOTE: The AM/PM indication will change as you continue to adjust the hour past 12.
Tuner Region	USA	• AM Frequency Spacing - 10kHz • AM Frequency Band - 530kHz~1720kHz • FM Frequency Spacing - 200kHz • FM Frequency Band - 87.5MHz~107.9MHz
	S.Amer1	• AM Frequency Spacing - 10kHz • AM Frequency Band - 530kHz~1720kHz • FM Frequency Spacing - 100kHz • FM Frequency Band - 87.5MHz~108.0MHz
	Arabia	• AM Frequency Spacing - 9kHz • AM Frequency Band - 531kHz~1620kHz • FM Frequency Spacing - 100kHz • FM Frequency Band - 87.5MHz~108.0MHz
	China	• AM Frequency Spacing - 9kHz • AM Frequency Band - 522kHz~1620kHz • FM Frequency Spacing - 100kHz • FM Frequency Band - 87.5MHz~108.0MHz
	S. Amer2	• AM Frequency Spacing - 5kHz • AM Frequency Band - 520kHz~1600kHz • FM Frequency Spacing - 100kHz • FM Frequency Band - 87.5MHz~108.0MHz
	Europe	• AM Frequency Spacing - 9kHz • AM Frequency Band - 522kHz~1620kHz • FM Frequency Spacing - 50kHz • FM Frequency Band - 87.5MHz~108.0MHz
	Korea	• AM Frequency Spacing - 9kHz • AM Frequency Band - 531kHz~1602kHz • FM Frequency Spacing - 200kHz • FM Frequency Band - 88.1MHz~107.9MHz
Beep	Off	No beep sounds
	On	When turned on, an audible beep tone confirms each function selection.

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Language Sub-menu Features

If a DVD supports more than 1 Subtitle or Audio language, all the languages are available for selection during playback. If the selected language is not supported by the DVD, then the default language is used.

Setting	Options	Function
Language	English	On Screen Display appears in English.
Subtitle	English	DVD subtitles automatically appear in English when available.
	Auto	DVD subtitles appear according to the default subtitle language specified on the disc.
	Off	DVD subtitles do not appear automatically.
Audio	English	DVD Audio is heard in English when the option is available.
DVD Menu	English	DVD menu (if applicable) is displayed in English.

Audio Sub-menu Features

Setting	Options	Function
DRC	Off	Employ the Dynamic Range Control for better playback for low volumes.
	On	
Loudness	Off	Turn bass boost on/off
	On	
Sub-woofer	Off	Turn the subwoofer on/off.
	On	
Sub Filter	80Hz	Selecting a crossover frequency sets a cut-off frequency of the subwoofer's LPF (low-pass filter).
	120Hz	
	160Hz	

RDS Sub-menu Features

Setting	Options	Function
RDS	Off	
	On	
CT	Off	
	On	

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Bluetooth Sub-menu Features

Setting	Options	Function
Bluetooth	Off	Disable Bluetooth function.
	On	Enable Bluetooth function.
Connect	Manual	Connect the last active mobile phone by touching the CONNECT icon when disconnected.
	Auto	Automatically connect when your paired phone is in range.
Auto Answer	Manual	Manually answer calls by touching the “call” button.
	Auto	The unit automatically answers all incoming calls.
Pairing Code		The default code is “1234”. Touch the keypad icon to open the keypad and enter the pairing code or pass key required for Bluetooth connection to your mobile phone. Not all phones/devices require a pairing code. The default code is “0000” for many models.

Rating Sub-menu Features

The DVD system has a built-in parental lock feature to prevent unauthorized persons from viewing restricted disc content. By default, the rating system is unlocked. Once setup, the parental lock is released only by entering the correct password. Once the password is entered, rating is available for setup.

Setting	Options	Function
Set Password	_ _ _ _	Enter a 4-digit password to activate the “Rating” feature.
Parental Ctrl	1. Kid Safe	Select the appropriate rating level for the intended audience. You may override higher ratings by using your password.
	2. G	
	3. PG	
	4. PG-13	
	5. PG-R	
	6. R	
	7. NC-17	
	8. Adult	
Load Factory	Reset	Select “Reset” to restore the factory default settings for the *Rating system only.*

To reset the password, access the “RATING” menu and enter the current password. Once the correct password is entered, you can access the “Password” field and enter a new one.

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NOTE: Record the password and keep it in a safe place for future reference. The rating for each disc is marked on the disc, disc packing, or documentation. If the rating is not available on the disc, the parental lock feature is unavailable. Some discs restrict only portions of the disc and the appropriate content will play. For details, please refer to the disc description.

Hardware Sub-menu Features

If the rear-view video camera is connected, the unit is on, and the TFT monitor is retracted inside the unit, the TFT monitor automatically moves into the viewing position and Camera mode is selected upon shifting into REVERSE gear. When shifting into DRIVE gear, the TFT monitor is retracted back inside unit.

Setting	Options	Function
Camera In	Normal	
	Mirror	Reverse the camera image as if looking through a rear-view mirror.
TFT Auto Open	On	The TFT panel automatically opens when the unit is turned on.
	Off	You must press the OPEN button (1) to open the TFT panel.
	Manual	When the ignition is turned OFF, the TFT panel DOES NOT retract if it was previously out
Video Input (Input circuitry autodetects the video signal from the Aux In source).	NTSC	The color signals are output in the standard NTSC format.
	PAL	The color signals are output in the standard PAL format.
	Auto	The color signal output is switched automatically based on the current video input signal - NTSC or PAL.

If the monitor is in display mode, the monitor automatically switches to CAMERA mode upon reverse driving. When the reverse driving stops, the monitor return to its original input mode.

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P.VOL Sub-menu Features

Setting	Options	Function
Source	RADIO	Choose a source for which you would like to increase the relative volume (LEVEL).
	DISC	
	USB1	
	USB2	
	BT	
	NAV	
	AUX	
	CAMERA	
Level	0-6	Increase relative volume for specified source up to 6 decibels.

TS Cal (Screen Calibration)

To access the “Screen Calibration” function from the SETUP menu, select the “TS CAL” option.

After entering calibration mode, a crosshair ┼ appears in a corner quadrant of the screen. To begin calibration, press and hold the crosshair for one second until it moves to the next quadrant. Continue for each quadrant until the calibration is completed.

Demo Sub-Menu Features

You can stop/run demonstration mode or turn Demo Auto Run on/off by chooing the “Demo” option from the SETUP MENU.

When Demo "Auto Run" is Off, you can select "Demo > Run" to start Demo Mode. Demo scrolls through the various source screens, simulating activity on the display. “Demo” is discreetly displayed in blue text (below the clock), to indicate the unit is in Demo Mode. To stop Demo Mode, press the upper-left quadrant of the TFT (Source select).

When Demo “Auto Run” is On, the unit will automatically display Demo Mode when powered on.

Exiting the System Setup Menu

To exit setup mode and resume normal playback, press the **SETUP** button (31) on the remote control or touch the **BACK** button on the screen.

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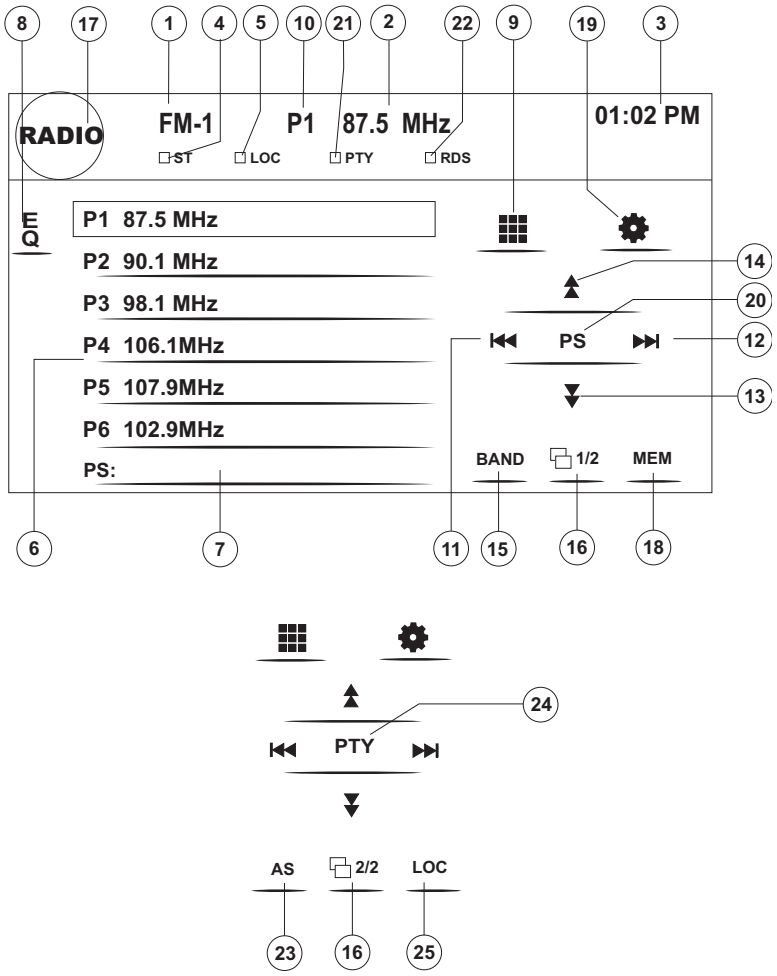
TUNER OPERATION

Tuner TFT Display



1. Current radio band indicator
2. Radio frequency indicator
3. Clock
4. Stereo broadcasting indicator
5. Strong Local signal broadcasting indicator
6. Preset radio stations: Touch to recall preset stations
7. Information about the current function
8. **EQ**: Touch for quick access to Equalizer level settings
9. ▦: Touch to access the direct entry screen
10. Current preset station indicator
11. **|<<**: Touch to seek backward
12. **>>|**: Touch to seek forward
13. **<<**: Touch to tune backward one step
14. **>>**: Touch to tune forward one step
15. **BAND**: Touch to change between AM/FM bands

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16. **1/2**: Touch to view a second screen of menu choices
17. ▦: Touch to view the SOURCE MENU and select a new playback source
18. **MEM**: View screen used to enter current channel into preset memory
19. ⚙: Touch to view the SETUP menu
20. **PS** (Preview Scan): Touch to scan all stations available, stopping for 5 seconds at each and continuing until a station is selected
21. PTY Indicator
22. RDS Indicator
23. **AS**: Touch to automatically store stations
24. **PTY**: Touch to activate the PTY function
25. **LOC**: Press to activate/deactivate the Local function

Switching to Radio Tuner Source

- Touch the top left corner of the screen (the RADIO circle) to view the SOURCE MENU. Touch “Radio”.
- Press the **SRC** button (10) on the front panel or remote control (8) to switch to the AM/FM or RADIO source.

Selecting FM/AM Band

Touch the **BAND** button (15) on the screen, or press the **||>/BAND** button on the remote control (30) to change between the following bands: FM1, FM2, FM3, AM1, and AM2.

NOTE: The BAND button on the unit only works when the TFT is closed.

Seek Tuning

To seek the next higher station:

- Touch the **>>|** button on screen.
- Press the **>>|** button (19) on the remote control.

To seek the next lower station:

- Touch the **|<<** button on screen.
- Press the **|<<** button (17) on the remote control.

Manual Tuning

To increase or decrease the tuning frequency one step:

- Touch the **>>** or **<<** buttons on screen.
- Press the **>>** or **<<** buttons (14, 22) on the remote control.

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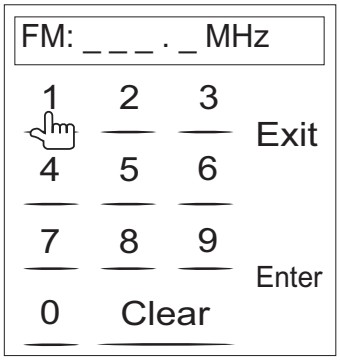
Direct Tuning

To enter a radio station directly, touch the ▦ button or press the **GOTO** button (21) on the remote control to display the direct entry menu.



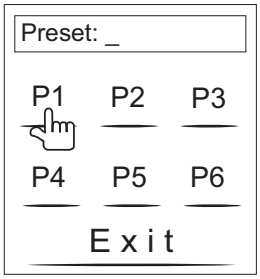
Enter the desired radio station using the on-screen number pad. Press the **Enter** button to tune to the selected station. To exit the screen without changing the station, touch **Exit**. To clear your entry and start over, touch **Clear**.

Using Preset Stations

Six numbered preset buttons store and recall stations for each band. All six stored stations (P1-P6) for the current band appear on the screen.

Storing a Station

1. Select a band (if needed), then select a station.
2. Touch the on-screen **MEM** button (18) to open the preset screen.



3. Touch the preset number in which you would like to store the current station (or touch **Exit** to cancel and close the menu). The preset number and station appears highlighted.

Recalling a Station

1. Select a band (if needed).

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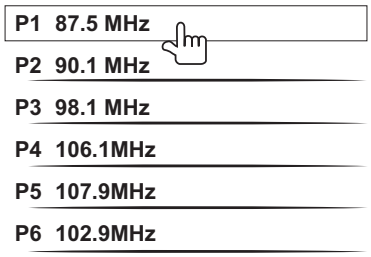
2. Touch an on-screen preset button (6) to select the corresponding stored station.



Auto Store/Preview Scan (AS/PS)

Auto Store (AS)

To select six strong stations and store them in the current band:

1. Select a band (if needed).
2. Touch the **AS** button (23) on page 2/2 of the on-screen controls to activate the Auto Store function.

The new stations replace stations already stored in that band.

Preview Scan (PS)

To scan the AM or FM band for a preview of available stations in your particular area, touch the **PS** button (20). Touch again to stop preview scan.

Local Radio Station Seeking (LOC)

When the Local function is on, only radio stations with a strong local radio signal are played. To activate the Local function in AM/FM tuner mode, *press and hold* the rotary encoder button (11) on the front panel. *Press and hold* the rotary encoder again to turn Local off. When the Local function is active, the LOC indicator at the top of the screen is illuminated.

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DVD/VCD VIDEO OPERATION

NOTE: When properly installed, DVD video cannot be displayed on the main TFT screen unless the parking brake is applied. If you attempt to play a DVD while the vehicle is moving, the TFT screen displays "PARKING" with a blue background. Rear video screens, if applicable, will operate normally.

Opening/Closing the TFT Video Screen

Opening the TFT Screen

To open the TFT video screen, press the **OPEN** button (1). The unit beeps and then opens.

Closing the TFT Screen

Press the **OPEN** button (1) again to close the TFT screen. If the screen is in the "IN" position, it moves out before closing.

Inserting a Disc

Upon inserting a DVD disc, DVD mode is entered and disc play begins.

NOTE: If Parental Lock (Rating) is activated and the disc inserted is not authorized, the 4-digit code must be entered and/or the disc must be authorized (see "Rating Sub-menu Features" on page 22).

You cannot insert a disc if there is already a disc in the unit or if the power is off.

NOTE: DVD-R and DVD-RW will not play unless the recording session is finalized and the DVD is closed.

Ejecting a Disc

Press the ⏏ button (6) on the unit or remote control (35) to eject the disc. The unit automatically reverts to Tuner mode. You may eject a disc with the unit powered off. The unit will remain off after the disc is ejected.

Resetting the Loading Mechanism

If the disc loads abnormally or an abnormal core mechanism operation occurs, *press and hold* the ⏏ button (6) on the unit or remote control (35) to reset the loading mechanism. Normal operation resumes.

Accessing DVD Mode

To switch to DVD mode when a disc is already inserted, press the **SRC** button (10) on the front panel or remote control (8).

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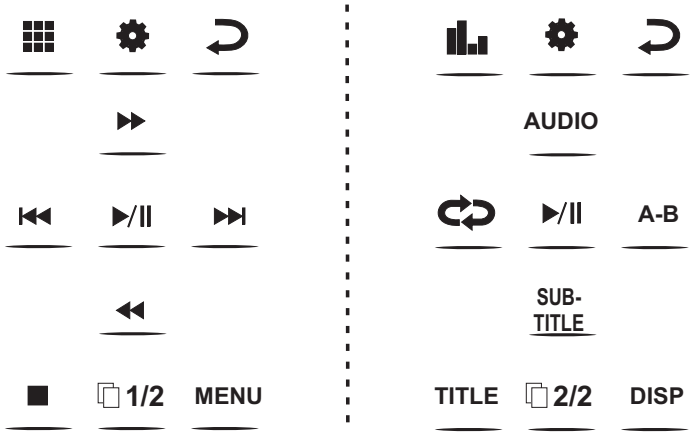
Controlling Playback

To access the on-screen controls, touch the bottom 1/3 of the screen while a DVD is playing. Touch the **1/2** button to view a second page of controls



Stopping Playback

Touch the stop button (■) on the screen or press the **||>/BAND** button (20) on the remote control to stop DVD play.

Pausing Playback

Touch the play/pause button (**>**) on the screen or press the **>/||** button on the remote control (18) to suspend or resume disc play.

Slow Motion Playback

Press the **<<** button (22) on the remote control or the **<<** button on the screen to play the current title in slow motion. Keep pressing and releasing the button to increase the rate from “x2” to “x4”, “x8”, and “x20”.

Press **>/||** (16) on the remote control or touch the on-screen play button (**>**) to resume normal play.

Fast Forward Playback

Press the **>>** button (14) on the remote control or the **>>** button on the screen to fast forward. Keep pressing and releasing the button to increase the rate from “x2” to “x4”, “x8”, and “x20”.

Press **>/||** (18) on the remote control or touch the on-screen play button (**>**) to resume normal play.

Repeat Playback

Press the **RPT** button (7) on the remote control or the button on screen to alter repeat mode according to the following:

- DVD: Repeat Chapter, Repeat TItle, Repeat Off
- VCD (PBC Off): Repeat Single, Repeat Off

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NOTE: For VCD play, the repeat function is not available if PBC is on.

Sectional Repeat Function (A-B)

Use the A-B function to define a specific area of a disc to repeat.

- Press the **REPT A-B** button (6) on the remote control (or the A-B button on screen) to set the start point (A) of the repeated section.
- Press the **REPT A-B** button again once you reach the desired end point (B) of the repeated section. The selected portion of the DVD will now repeat continuously.
- Press the **REPT A-B** button again to cancel the A-B section setting and stop repeat play.

Accessing the DVD Menu

Press the **MENU** button (1) on the remote control to recall the main DVD menu. Use the directional (arrow) buttons on the remote control to select a title from the menu or touch the title on screen.

Press the **TITLE** button (2) on the remote control or on screen to select a different title for playback.

Press the **>/||** button (18) on the remote control or press the rotary encoder (11) to confirm your selection and begin playback. You can also select a title using the touch screen.

Moving Through Chapters

Press the **>>|** button (19) on the remote control or the **>>|** button on screen to advance to the next chapter on the DVD.

Press the **|<<** button (17) on the remote control or the **|<<** button on screen to move to the previous chapter.

Goto Search

During DVD or VCD playback, perform the following steps to use the GOTO feature to access a specific location on a disc:

1. Press the **GOTO** button (21) on remote control to access the “Search” screen.
2. Press the **>>** or **<<** buttons (14, 22) on the remote control to select a category.

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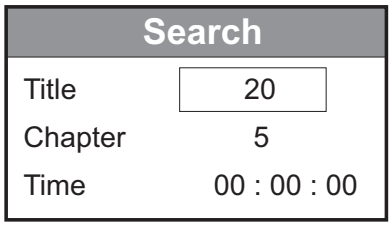
- For DVD mode, you can choose Time or Title/Chapter search.



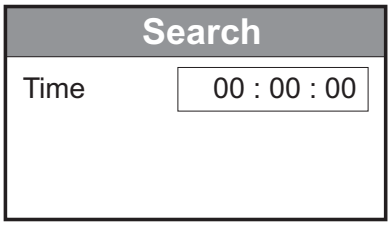
DVD Search

Title – Go to specific title

Chapter – Go to specific chapter

Time – Go to specific time in current title

- For VCD mode, press the **GOTO** button to choose between Time search.



VCD Track Search

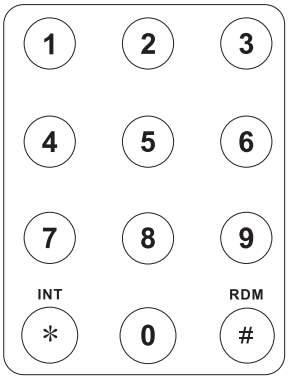
Time – Go to specific time in the current track

3. Enter a time into the field using the numeric keypad (29) on the remote control.
4. Press the **>/||** button (18) on the remote control or press the rotary encoder (11) to go to the specified location on the disc.
5. Press the **GOTO** button again to exit.

Direct Chapter / Track Selection

Remote Control Direct Entry

During DVD, VCD and CD playback, you can use the numeric keypad on the remote control (29) to access a track directly.



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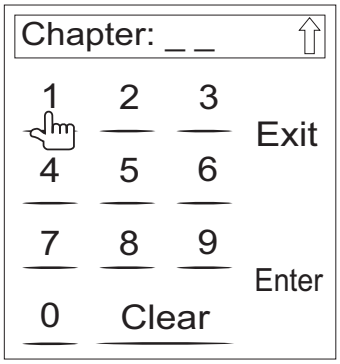
Touch Screen Direct Entry

To select a chapter/track directly, touch the ▦ button on screen control to display the direct entry menu.



Enter the desired chapter/track using the on-screen number pad. Press the **Enter** button to tune to the selected station. To exit the screen without changing the station, touch **Exit**. To clear your entry and start over, touch **Clear**.

Viewing an Alternate Picture Angle (DVD Only)

Some DVDs contain scenes that have been shot simultaneously from different angles. For discs recorded with multiple angles, press the **ANGLE** button (13) on the remote control to toggle available angles of the on-screen image.

Zooming

Press the **ZOOM** button (23) on the remote control to enlarge and pan through the video image using the following options: “Q1”, “Q2”, “Q3” and “OFF”.

Multi-Language Discs (DVD Only)

Changing Audio Language

If you are watching a disc recorded in multiple languages, press the **AUDIO** button (5) on the remote control to choose a language.

Changing Subtitle Language

If you are watching a disc recorded in multiple languages with subtitles, press the **SUBTITLE** button (9) on the remote control to choose the language in which you would like the subtitles to appear.

NOTE: During VCD playback, press the AUDIO button (5) on the remote control to choose between Left Channel, Right Channel, and Stereo.

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PBC - Play Back Control (VCD Only)

For VCDs with play back functionality, play back control (PBC) provides additional controls for VCD playback.

Press the **MENU** button (1) on the remote control to toggle the PBC function "On"/"Off". Once PBC is on, playback starts from track one of the play list.

NOTE: When PBC is activated, fast forward, slow playback, and previous/next track are available. Repeat and direct track selection are not available.

When PBC is activated, selecting random, scan, or search playback automatically deactivates PBC.

Playback Information

During DVD and VCD playback, press the **DISP** button (10) on the remote control to display playback information on the screen, including the media playing and current playback time.

DVD Playback Information

- DVD Video – Format of current disc.
- Time 00:01:30/00:36:10 – Indicates the playback time of the current track.
- Title 5/08 – Indicates the fifth of 8 titles on the DVD is currently playing.
- Chapter 2/16 – Indicates that the second of 16 titles on the DVD is currently playing.

VCD Playback Information

- VCD2.0 – Format of current disc.
- Time 00:01:30/00:36:10 – Indicates the playback time of the current track.
- PBC On/Off – Indocates whether Play Back Control is On or Off.

General Disc Information

Table 5: Disc Properties

Symbol	12cm Disc Properties	Max Play Time
DVD VIDEO DVD VIDEO	Single side single layer (DVD-5) Single side double layer (DVD-9) Double side single layer (DVD-10) Double side double layer (DVD-18)	(MPEG 2 Method) 133 minutes 242 minutes 266 minutes 484 minutes
COMPACT disc DIGITAL VIDEO	Single side single layer (VCD)	(MPEG 1 Method) 74 minutes
COMPACT disc DIGITAL AUDIO TEXT	Single side single layer	74 minutes

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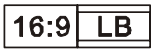
Table 6: Disc Symbols

Symbol	Meaning
	Number of voice languages recorded. The number inside the icon indicates the number languages on the disc (maximum of 8).
	Number of subtitle languages available on the disc (maximum of 32).
	Number of angles provided (maximum of 9).
	Aspect ratios available. “LB” stands for Letter Box and “PS” stands for Pan/Scan. In the example on the left, the 16:9 video can be converted to Letter Box video.
	Indicates the region code where the disc can be played. • Region 1: USA, Canada, East Pacific Ocean Islands • Region 2: Japan, Western Europe, Northern Europe, Egypt, South Africa, Middle East • Region 3: Taiwan, Hong Kong, South Korea, Thailand, Indonesia, South-East Asia • Region 4: Australia, New Zealand, Middle and South America, South Pacific Ocean Islands/Oceania • Region 5: Russia, Mongolia, India, Middle Asia, Eastern Europe, North Korea, North Africa, North-West Asia • Region 6: Mainland China • ALL: All regions

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DVD/CD AUDIO OPERATION

Instructions for TFT control and Insert/Eject are the same for DVD and CD operation. Please see the DVD/Disc Video Operation section for information about these topics.

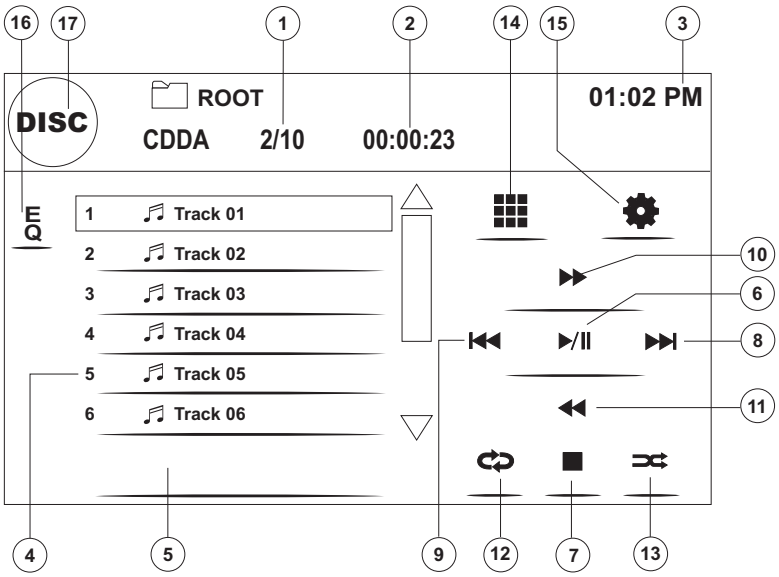
The VM9214 will play music or other audio files from the following disc media:

- CD-DA
- CD-R/RW
- DVD
- DVD+R/RW
- DVD-R/RW

Upon inserting a disc with the TFT screen open, the disc and track title (if available), along with the track number and playing time appear on the screen.

CD Player User Interface

The on-screen indicators and touch key areas for CD playback are outlined below.



1. Current track and total number of tracks on disc
2. Elapsed playing time
3. Current time
4. Track titles
5. Disc title
6. ▶/||: Touch to play/pause disc playback
7. ■: Touch to stop disc playback
8. **>>|**: Touch to move to next track
9. **|<<**: Touch to move to previous track
10. **>>**: Touch to fast forward current track

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11. **<<**: Touch to rewind current track
12. Touch to activate/deactivate Repeat play mode
13. Touch to activate/deactivate Random mode
14. ▦: Touch to access the direct entry screen
15. ⚙: Touch to view the SETUP menu
16. Touch for quick access to Equalizer level settings
17. Touch to view the SOURCE MENU and select a new playback source

Controlling Playback

Stopping Playback

Touch the ■ button on screen or press the **||>**/**BAND** button (30) on the remote control to stop disc play.

To resume playback, touch the ▶/|| button on screen or press the **>/||** button on the remote control (18).

Pausing Playback

Touch the ▶/|| button on screen or press the **>/||** button on the remote control (18) to suspend or resume disc play.

Moving Through Tracks

Press the **>>|** button (19) on the remote control or on screen to advance to the next track on the disc.

Press the **|<<** button (17) on the remote control or on screen to move to the previous track.

Repeat Playback

Touch the ↻ button on screen or press the **RPT** button (7) on the remote control to alter repeat mode according to the following:

- DVD: Repeat Chapter, Repeat Title, Repeat Off
- CDDA: Repeat Single, Repeat Folder, Repeat Off
- CD-R/RW: Repeat Single, Repeat Off
- DVD-R/RW: Repeat Single, Repeat Off

Track Scan Select (CD-DA discs only)

During disc play, press the **INT** button (34) on the remote control to play the first 10 seconds of each track. When a desired track is reached, press the **INT** button again to cancel the function and play the selected track.

Random Play Select

While disc play is stopped, touch the ⤮ button on screen or the **RDM** button (33) on the remote control to play the tracks on the disc in a random, shuffled order. Press the ⤮ (**RDM**) button again to cancel Random Play mode.

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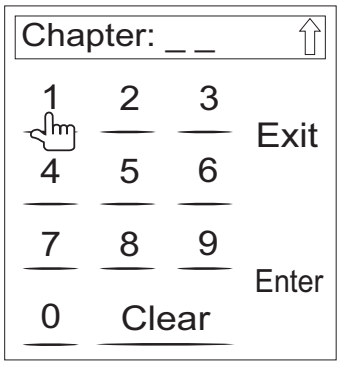
NOTE: CD-R and CD-RW will not play unless the recording session is finalized.

Fast Forward

Touch the **>>** button on screen or press the **>>** button (14) on the remote control to fast forward. Keep pressing and releasing the button to increase the rate from “x2” to “x4”, “x8”, and “x20”. Press the **>/||** button to resume normal playback.

Direct Track Entry

To select a track directly, touch the ▦ button on screen control to display the direct entry menu.



Enter the desired track using the on-screen number pad. Press the enter button (arrow) to tune to the selected station. To exit the screen without changing the station, touch **Exit**. To clear your entry and start over, touch **Clear**.

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MP3/WMA OPERATION

Instructions for TFT control and Insert/Eject are the same for DVD and MP3 operation. Please see the DVD/Disc Video Operation section for information about these topics.

Media and File Requirements

This player allows you to play back MP3 and WMA files recorded onto CD-R/RWs, DVD+R/RWs, and DVD-R/RWs. For CD-RW discs, please make sure it is formatted using the full method and not the quick method to prevent illegal disc operation.

Up to 1500 songs/files can be burned onto a disc for a DVD music mix. Do not exceed this number of songs/files or disc readability problems may occur.

MP3 Format Compatibility

The file naming formats listed below are compatible with this unit:

- ISO 9660 – file name: 12 characters, file extension: 3 characters
- ISO 9660 – file name: 31 characters, file extension: 3 characters
- Joliet – 64 characters

If the file or folder name does not conform to ISO 9660 file system standards, it may not be displayed or played back correctly. Use the following settings when compressing audio data for your MP3 disc:

- Transfer Bit Rate: 128kbps
- Sampling Frequency: 48kHz

When recording MP3 up to the maximum disc capacity, disable additional writing. For recording on an empty disc up to maximum disc capacity, use the "Disc at once" setting.

MP3 Playing Order

When selected for play, files and folders (Folder Search, File Search or Folder Select) are accessed in the order they were written by the CD writer. As a result, the order in which they are expected to be played may not match the order in which they are actually played. You may be able to set the order in which MP3/WMA files are to be played by writing them onto a medium such as a CD-R with their file names beginning with play sequence numbers such as "01" to "99".

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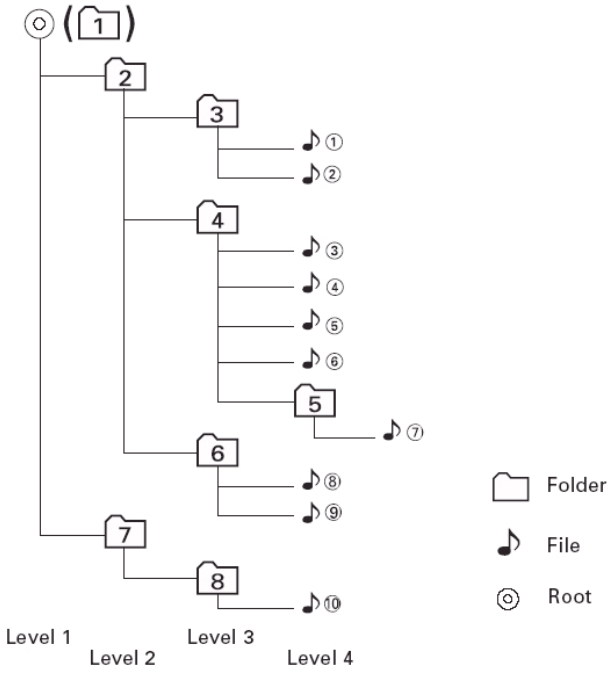
For example, a medium with the following folder/file hierarchy is subject to Folder Search, File Search or Folder Select, as shown below.

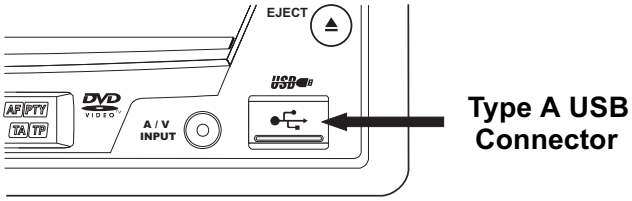


The VM9214 player will only recognize three folder levels and does not display folders containing only other folders. In the example above, the unit will display folders 3, 4, 6, and 8, but not 2 and 7 since they do not contain any tracks directly. Folder 5 is not recognized at all since it is at the fourth level.

Inserting a USB Device

NOTE: The USB port will recognize most USB flash memory devices and portable hard drives (hard drives must be formatted to FAT32, NTFS is not supported).

1. Locate the USB connector (14) on the front of the radio.



2. Lift the protective cover to reveal the USB slot.
3. Insert the USB device into the USB connector. The unit will read the audio/ video files on the USB device automatically.

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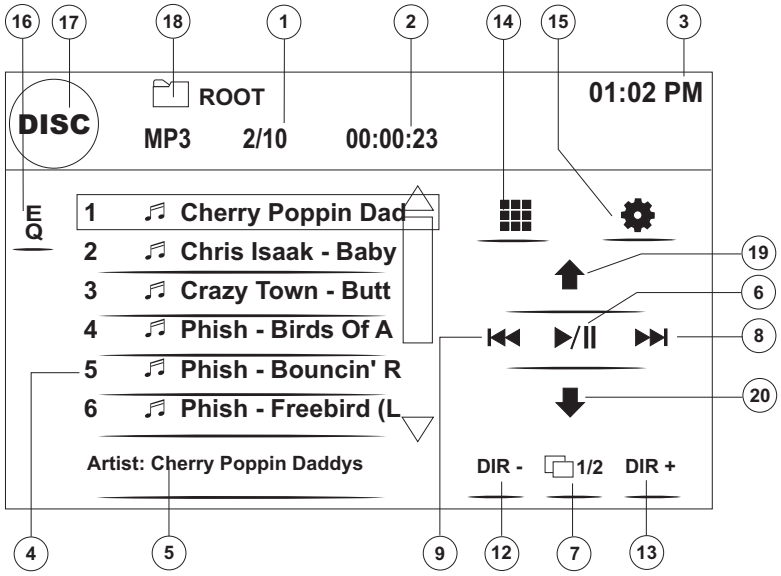
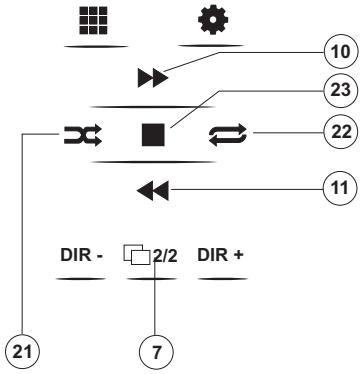
To remove the USB device, press the **SRC** button (10) to switch to another mode and then remove the USB device from the USB connector.

MP3 User Interface

The on-screen indicators and touch key areas for MP3 playback are outlined below.





1. Current track and total number of tracks on disc
2. Elapsed playing time
3. Current time
4. Track titles
5. ID3 information
6. ▶/||: Touch to play/pause disc playback
7. **1/2**, **2/2**: Touch to move between page 1 and 2 of the on-screen controls
8. **>>|**: Touch to move to next track
9. **|<<**: Touch to move to previous track
10. **>>**: Touch to Fast Forward x2, x4, x8, x20
11. **<<**: Touch to Fast Backward x2, x4, x8, x20

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12. **DIR -**: Touch to view the previous folder
13. **DIR +**: Touch to view the next folder
14. ▦: Touch to access the direct entry screen
15. ⚙: Touch to view the SETUP menu
16. Touch for quick access to Equalizer level settings
17. Touch to view the SOURCE MENU and select a new playback source
18. Folder name
19. Page Up
20. Page Down
21. Random On > Random Off
22. Repeat Single > Repeat Folder > Repeat Off
23. ■: Touch to stop disc playback

Controlling Playback

Playing MP3/WMA Files

After inserting a MP3/WMA disc, files will play in the sequence of the “Root’ directory.

NOTE: When burning MP3 / WMA files onto a DVD disc, use the 2X or 4X burning option, if available. This slower burning speed will help eliminate buffer errors and increase disc reading reliability. Also, use folders when burning large numbers of songs / files to a disc for easy music navigation. Select the "Disc at Once” option and close your disc.

Stopping Playback

Touch the ■ button on screen or press the **||>/BAND** button (30) on the remote control to stop disc play.

To resume playback, touch the ▶/|| button on screen or press the **>/||** button on the remote control (18).

Pausing Playback

Touch the ▶/|| button on screen or press the **>/||** button on the remote control (18) to suspend or resume disc play.

Moving Through Tracks

Press the **>>|** button (19) on the remote control or on screen to advance to the next track on the disc.

Press the **|<<** button (17) on the remote control or on screen to move to the previous track.

Repeat Playback

Press the **RPT** button (7) on the remote control to alter repeat mode according to the following: Repeat Single, Folder Repeat, Repeat Off.

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NOTE: CD-R and CD-RW will not play unless the recording session is finalized.

Direct Track Entry

Use the numeric keypad (29) on the remote control to access files directly or press the ▦ button (see “Direct Track Entry” on page 38).

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iPod OPERATION

NOTE: Be sure your iPod has the latest Apple firmware installed to avoid connectivity issues.

Accessing iPod Mode

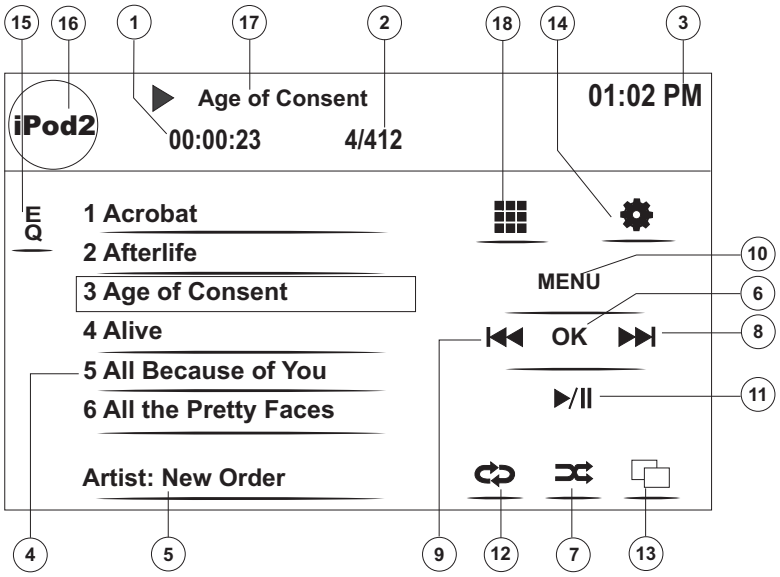
This unit is Made for iPod. You can control your iPod via touch screen to access Playlist, Artist, Album, Songs, etc. Supported models include, but are not limited to, the following:

- iPod Classic
- iPod Touch 2G / 3G
- iPod Nano 3G / 4G / 5G
- iPhone 3G / 3GS

The unit will automatically switch to iPod mode when an iPod or iPhone is plugged into the front or rear USB connector.

NOTE: For basic iPod connectivity, you can use the white 30-pin to USB iPod cable that came with your Apple device . For iPod video or photo playback, you must purchase the jLink-USB cable.

To return to the iPod menu from any other source menu, press the **SRC** button (10) on the front panel or remote control (8) until the iPod menu appears on the screen. The on-screen indicators and touch key areas for iPod playback are outlined below.



1. Elapsed playing time for current file
2. File number and total number of files on the disc

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3. Current time
4. File titles
5. ID3 information (Artist/Album)
6. **OK**: Touch to “Enter”
7. Touch to play all files in random order
8. **>>|**: Touch to move to next file
9. **|<<**: Touch to move to previous file
10. **MENU**: Touch to view the iPod main menu
11. ▶||: Touch to play/pause disc playback
12. Touch for Repeat File > Repeat Folder
13. Touch to view the album art screen
14. ⚙: Touch to view the SETUP menu
15. Touch for quick access to Equalizer level settings
16. View SOURCE MENU and select a new source
17. Current file title
18. ▦: Touch to access the direct entry screen

Controlling your iPod

Touch the **MENU** button or press the following remote control buttons to access the main iPod menu.

Menu	Remote Control
Music	AUDIO
Photos	SUBTITLE
Videos	ANGLE

Use the touchscreen or the directional keys on the remote control to navigate the iPod menus.

File Playback

To access files, touch the **MENU** button on screen until you return to the main iPod menu and then select “MUSIC,” “VIDEO” or “PHOTO” or press the remote control button indicated in the table above.

- Touch the **>/||** button on screen to play/pause.
- Touch **>>|** on screen or press the **>>|** button (19) on the remote control to move to the next item on the menu.
- Touch **|<<** on screen or press the **|<<** button (17) on the remote control to move to the previous item on the menu.
- Use the touch screen or press the **>/||** button (18) on the remote control to select the highlighted menu option.
- Press the **>>** button (14) on the remote control or touch the **MENU** button on screen, to return to the previous menu.

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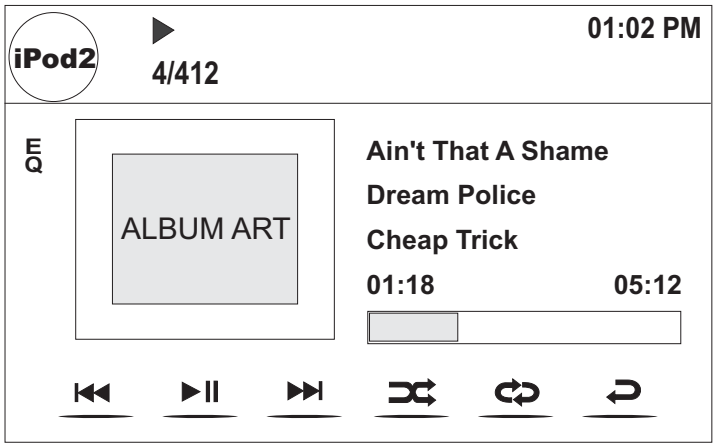
During music playback, the following screen is displayed:



- To return to the iPod music menu from the album art screen, press ⮌.
- To return to the Video or Photo menu while viewing video or photo, touch the screen.

Fast Forward/Fast Reverse

Press and hold the **|<<** or **>>|** buttons on screen or on the remote control (17, 19) for 1 second and continue to hold for fast forward or fast reverse. Release to resume normal play.

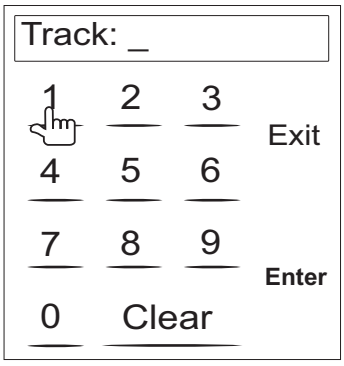
Search Playlist/Artist/Album/Song

To search through Playlists, Artists, Albums and Songs, press the **MENU** button (1) on the remote control while in one of the following directories: Playlist, Artist, Album or Song. The selected directory will be accessed with the number of pages and files in that directory displayed at the top of the page. To access the page or file, enter the page or file number directly from the remote control keypad. Press the **|<<** or **>>|** button (17, 19) on the remote control to select the desired song or file.

Direct Track Entry

To select a track directly, touch the ▦ button on screen control to display the direct entry menu.

Enter the desired track using the on-screen number pad. Press **Enter** to tune to the selected station. To exit the screen without changing the station, touch **Exit**. To clear your entry and start over, touch **Clear**.



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NOTE: To transmit the video from your iPod to the VM9214 screen, you must set the following options through the iPod video settings menu: TV Out = On, TV Signal = NTSC, and Widescreen = On.

NOTE: After disconnecting your iPod, the VM9214 will always return to the last mode accessed when the iPod is plugged back into the unit.

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BLUETOOTH OPERATION

NOTE: Bluetooth operation requires optional BTM10 accessory.

About Bluetooth

Bluetooth is a short-range wireless radio connectivity technology that is developed as a cable replacement for mobile phones, handheld PCs and other devices. Bluetooth operates in 2.4 GHz frequency range and transmits voice and data at speeds up to 1 megabit per second. Bluetooth was launched by a special interest group (SIG) comprised of Ericsson Inc., Intel Corp., Nokia Corp., Toshiba and IBM in 1998, and it is currently developed by nearly 2,000 companies worldwide. The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Audiovox Corporation is under license. Other trademarks and trade names are those of their respective owners.

NOTE: The line-of-sight distance between this unit and your cellular phone must be 8 meters or less for sending and receiving voice and data via Bluetooth wireless technology. However, the transmission distance may become shorter than the estimated distance, depending on the environment in use.

Before attempting to use the Bluetooth functions on the VM9214, you must purchase and install the BTM10. When connected properly, the blue light appears illuminated. Bluetooth features are only available when the BTM10 is installed.

Please make sure your mobile phone supports Bluetooth functions (Headset or Handsfree profiles or both). Adhere to the following guidelines for successful operation.

- Before using Bluetooth functions, you must pair your mobile phone to the VM9214 head unit (see “Pairing the Bluetooth System with Your Mobile Phone and Head Unit”). To ensure the best reception for pairing and re-connection, please make sure the phone battery is fully charged before you begin.
- Try to perform pairing within a few minutes of the phone being turned on.
- Once the unit has been paired with the phone, the unit’s model number, “VM9214”, will be displayed on the mobile phone.
- To achieve the best performance, always keep the mobile phone within 3 meters of the head unit.
- Always keep a clear path between the mobile phone and the head unit. Never place a metal object or any other obstacle between the mobile phone and the head unit.

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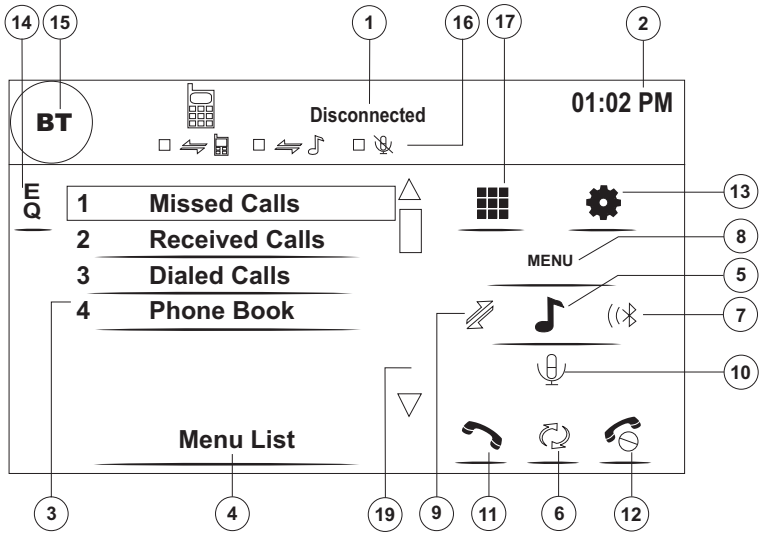
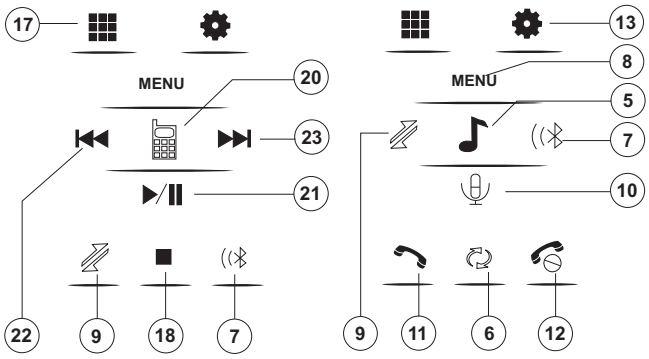
- Some mobile phones (like Sony Ericsson) may have a "Power Saving Mode" option. PLEASE DO NOT use the power saving mode with the VM9214.
- Before accepting or making a call, make sure your mobile phone's “Bluetooth function” is turned on.
- To ensure the best conversation quality/performance, stay within one meter of the BTM10 when talking.
- To “disconnect” the mobile phone from the head unit, turn the Bluetooth connectivity off on the mobile phone or touch the button.
- **Phone Book direct searching through the head unit is only available if the mobile phone supports Phone Book Download.** If the feature is not supported, the head unit will display “Phone book not provided by this phone” when an attempt is made to download a phone book.

Bluetooth User Interface

The on-screen indicators and touch key areas for Bluetooth operation are outlined below.





PHONE INTERFACE MUSIC INTERFACE

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1. Current connection status/device connected
2. Current time
3. Bluetooth menu
4. Current operation status
5. Toggle Music/Phone menu
6. Transfer active call back to handset
7. Pair your Bluetooth phone (first time use)
8. Exit call listing display
9. Connect/disconnect Bluetooth device (phone, PDA, personal music player, etc.) with hand-free function
10. Mute/un-mute microphone during active call
11. Answer incoming call/make call
12. Reject incoming call/end call/quit pairing process/quit reading phone book or call listing
13. ⚙: Touch to view the SETUP menu
14. Touch to view the equalizer
15. Touch to view the SOURCE MENU and select a new playback source
16. Status indicators (phone mode, music mode, mic mute)
17. ▦: Touch to access the direct entry screen
18. ■: Touch to stop A2DP playback
19. Touch the scroll bar and arrows to view the previous/ next page of choices (only visible when needed)
20. Toggle Music/Phone menu/mode
21. **>/||**: Play/Pause selected file
22. **|<<**: Touch to move to the previous file
23. **>>|**: Touch to move to the next file

Hands Free Profile (HFP)

To use a phone wirelessly with this unit, it is necessary to first establish a connection using Bluetooth wireless technology. Connection is normally established using HFP (Hands Free Profile), which gives you full control of functions available on the telephone source. However, depending on your phone, the connection may be made using HSP (Head Set Profile), making some functions unavailable. This is a limitation of your phone, not the VM9214.

Since there are a number of Bluetooth mobile phone implementations available on the market, operations with your Bluetooth mobile phone using this unit vary greatly.

Please refer to the instruction manual that came with your Bluetooth mobile phone along with this manual while operating your phone with this unit.

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Pairing the Bluetooth System with Your Mobile Phone and Head Unit

1. Press the ⁽ᛒ button (7) to initiate the pairing process. Keep the mobile phone within 2 meters of the head unit when pairing. (To terminate the pairing process, press the ⁽ᛒ button again.)
2. Select the Bluetooth setup option on the mobile phone to be paired (please refer to the phone's instruction manual to learn how to enter Bluetooth setup, turn Bluetooth on/off, and perform pairing).

NOTE: Some phones require a "pass key" or pairing code to connect. If your phone requires a pass key or pairing code, you will need to enter this number in the Pairing Code field under the Bluetooth SETUP menu. The default pairing code for many phones is "0000". The default code for the VM9214 is "1234". See "Bluetooth Sub-menu Features" on page 22 for instructions on entering the pairing code.

3. Select "VM9214" from the pairing list on the mobile phone.
   - If pairing is successful, the TFT will display the paired mobile phone model number or name (as specified in your phone's Bluetooth Setup menu).
   - If pairing fails, "Phone Pairing Fail" is displayed at the bottom of the screen.

Reconnecting

Once the Bluetooth device has been paired, you can touch the connect ⁄ button (9) to reconnect.

NOTE: You can only connect to a phone using the buttons on the on-screen Phone interface.

Each time the ⁄ button is pressed, the head unit will automatically reconnect with the mobile phone once (only if the mobile phone was previously paired with the head unit).

Managing Incoming Calls

When connected to a Bluetooth phone, the unit will mute audio output, pause CD play, and change to the Bluetooth screen when a call is received. An incoming phone number will appear at the top of the screen.

Answering an Incoming Call

To answer the call, touch the ✆ button (11).

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NOTE: The TALK button on the BTM10 can be used to answer calls or hang up.

For best reception, speak loudly and clearly.

To end the conversation, press the button (12). The screen will display the call duration for 3 seconds, and then return to the previous mode.

Rejecting an Incoming Call

Touch the button to reject an incoming call. The call will revert to your phone and can be answered directly or left for voice mail.

Volume Control

To increase or decrease the volume level, turn the **AUDIO** control (5) on the front panel or press the **VOL+/ VOL-** buttons on the remote control (15, 16).

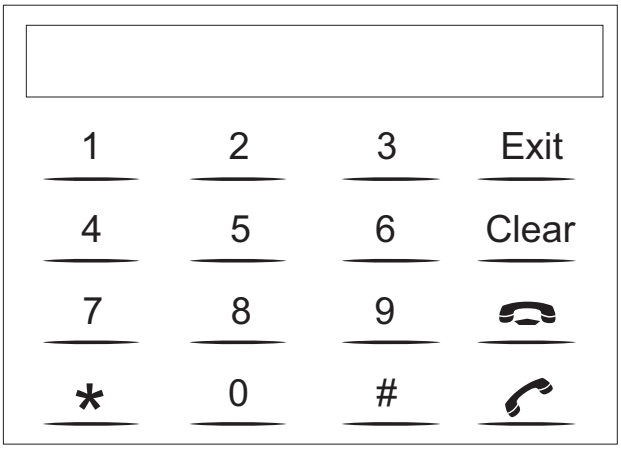
Microphone Mute

To mute the microphone, touch the button (10). Touch again to resume microphone functionality.

Making an Outgoing Call

NOTE: Press the button from the main Bluetooth screen to automatically dial the last call received.

1. Touch the button to open the direct dial screen.



2. Use the 0-9, *, and # buttons to input the phone number.
   - Touch the **CLEAR** button to clear the last digit.
   - Touch the button to clear the entire number and start over.
3. After entering the phone number, press the button to dial the call. The direct dial screen will close once your call is connected.

To end the conversation, press the button.

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Call Transfer

While talking, to transfer audio from the head unit back to the mobile phone, touch the ⟲ button (6). The TFT will display “Transfer”. You can only transfer a call after it has been answered.

Menu List

The menu list appears on the left side of the screen and can be accessed from other modes by touching the **MENU** button on the right side of the screen.

NOTE: Not all phones allow access to missed, received or dialed calls and some will not allow uploading of your phone’s address book.

Missed Calls

The Missed Calls list retrieves the list of Missed numbers from your phone. The last missed number is the first number on the list. Touch the Missed Calls menu option to view the list. To make a call from the Missed Calls list, touch the number and then touch the ✆ button. The TFT will display “Cannot get missed record” when the feature is not available.

Dialed Calls

The Dialed Calls list retrieves the list of dialed numbers from your phone. The last dialed number is the first number on the list. Touch the Dialed Calls menu option to view the list. To make a call from the Dialed Calls list, touch the number and then touch the ✆ button. The TFT will display “Cannot get dialed record” when the feature is not available.

Received Calls

Use the Received Calls list to view the last 10 received numbers stored on your phone. To access the Received list, touch the Received Calls menu option. The last received number is the first number on the list. To make a call from the Received Calls list, touch the number and then touch the ✆ button. The TFT will display “Cannot get received record” when the feature is not available.

Phone Book

1. Touch the Phone Book menu option to display the phone book stored on your mobile phone, if compatible. The screen will display “Ready...” while the phone book is downloading.
2. Once the download is completed, you can use the arrow buttons and scroll bar on the right side of the window to navigate the list. Since the unit downloads one page of entries at a time, there may be a slight delay while the next page of numbers is downloaded.
3. Touch to highlight the number you want to dial and then touch the ✆ button.

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NOTE: Some mobile phones do not support Phone Book upload through Bluetooth. This is a limitation of the phone, not the VM9214.

Bluetooth Setup

Auto Answer

You can choose to have the VM9214 automatically answer incoming calls to your paired Bluetooth phone. To turn “Auto answer” on:

1. Touch the ⚙ button to view the SETUP menu.
2. Select the “Bluetooth” sub-menu.
3. Touch the area to the right of “Auto answer” to select “Auto”.

Auto Connect

The auto Connect option will allow the VM9214 to automatically connect to your previously paired Bluetooth when it is in range. When the Connect option is set to “Manual”, you must press the ✎ button to re-establish a connection with your phone. To turn auto “Connect” on:

1. Touch the ⚙ button to view the SETUP menu.
2. Select the “Bluetooth” sub-menu.
3. Touch the area to the right of “Connect” to select “Auto”.

Advanced Audio Distribution Profile (A2DP)

The VM9214 allows you to play back audio files from your phone, PDA or personal music player using a Bluetooth connection.

Before using an audio player, it may be necessary to enter a PIN code into the unit. Enter the PIN code referring to “Bluetooth Sub-menu Features” on page 22.

NOTE: Please quit A2DP mode before attempting to make a phone call, as unexpected results may occur depending on your mobile phone model.

The VM9214 can control a Bluetooth audio player via Advanced Audio Distribution Profile (A2DP) or Audio/Video Remote Control Profile (AVRCP). Bluetooth audio players (or Bluetooth adapters) compatible with these profiles can be connected to this unit. Functionality varies depending on the profile used.

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TROUBLESHOOTING

Table 7: Troubleshooting

Problem	Cause	Corrective Action
GENERAL		
Unit will not power on	Radio Fuse blown	Install new fuse with correct rating
	Car battery fuse blown	Install new fuse with correct rating
	Illegal operation	Press the RESET button located in the bottom right corner of the front panel
Remote control does not function	Battery depleted	Replace battery with new one
	Battery installed incorrectly	Remove battery and install correctly
No/low audio output	Improper audio output connection	Check wiring and correct
	Volume set too low	Increase volume level
	Improper “MUTE” connection	Review wiring diagram and check “MUTE” connection
	Speakers damaged	Replace speakers
	Heavily biased volume balance	Adjust the channel balance to the center position
	Speaker wiring is in contact with metal part of car	Insulate all speaker wiring connections
Poor sound quality or distortion	Pirated disc is in use	Use original copy
	Speaker power rating not compatible with unit	Connect proper speakers
	Speaker is shorted	Check speaker contact
Unit resets itself when engine is off	Incorrect connection between ACC and positive battery wire	Check wiring and correct
TFT MONITOR		
Monitor does not open automatically	TFT Auto Open is turned off	Turn TFT Auto Open on
No image	Incorrect connection to parking brake wire	Check wiring and correct
	Parking brake is not engaged	Stop vehicle in safe place and apply parking brake
Flashing image or interference appears on screen	DVD is not compatible with current TV system settings	Change setup to accommodate disc
	Improper video signal connections	Check wiring and correct

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Table 7: Troubleshooting

Problem	Cause	Corrective Action
Prolonged image or improper height/width ratio display	Improper aspect ratio setup	Use correct aspect ratio setting
Monitor stops at incorrect position	Moving path is blocked	Press OPEN key to restart monitor movement
TUNER		
Weak station searching	Auto antenna is not fully extended	Connect the auto antenna control cable properly
	Auto antenna not properly connected	Connect the auto antenna control cable properly
	LOCAL function is activated	Turn LOCAL function off
Cannot insert disc	Disc already inside unit	Eject current disc and insert new one
Image blurred, distorted, or dark	Disc is illegally copied	Use original disc
Disc does not play back	Disc is warped or scratched	Use disc in good condition
	Disc is dirty or wet	Clean disc with soft cloth
	Laser pickup is dirty	Clean laser pickup with cleaning disc
	Incompatible disc is used	Use compatible disc
	Disc rating exceeds Parental Lock rating limit	Change Parental Lock settings to lower restriction
	Disc region code is not compatible with unit	Use disc with proper region code
	Disc is inserted upside down	Insert disc with label side up
PBC cannot be used during VCD playback	PCB is not available on the disc	
No repeat or searching while playing VCD	PCB is on	Turn PCB off
MP3		
Interruption occurred during playback	Disc is dirty or scratched	Clean disc or replace
	File is damaged/bad recording	Recreate disc with good files

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Table 7: Troubleshooting

Problem	Cause	Corrective Action
Incorrect play-back message displayed	Message is longer than LCD can display	

Error Messages

Table 8: Error Messages

Message Displayed	Cause	Corrective Action
Loading	Disc is being read	
No Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
	Disc not present in loading compartment	Insert disc
Bad Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
Unknown disc	Disc format is not compatible with this unit	
Region Error	DVD is not compatible with region code of unit	
Error	Illegal mechanism operation	Press EJECT key for 5 seconds to reset loading mechanism

Care and Maintenance

1. Use only a clean silicone cloth and neutral detergent to clean the front panel or monitor. A rough cloth and non-neutral detergent (such as alcohol) may result in scratching or discoloration.
2. Do not get water or cleaning fluids on the unit.
3. If the temperature inside the player gets too hot, a protective circuit automatically stops play of the disc. If this occurs, allow the unit to cool before operating the player again.
4. Never insert anything other than a 5” (12 cm) compact disc into the player as the mechanism can be damaged by foreign objects.
5. Do not attempt to use a 3” (8 cm) CD-Single disc in this unit, either with or without an adaptor, as damage to the player and/or disc may occur. Such damage is not covered by the Warranty on this product.

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6. The CD player may not operate properly in extreme hot or cold. If such conditions occur, allow the interior of the vehicle to reach a normal temperature before using player.
7. When the vehicle warms up during cold weather or under damp conditions, condensation may appear on the LCD panel. Should this occur, the screen will not operate properly until the moisture has evaporated.
8. We suggest you use a cleaning disc in this unit more frequently than in the unit in your home due to the environmental conditions of the vehicle.

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SPECIFICATIONS

DVD/CD Player

Compatible Disc Media: DVD ± R / RW (Single and Dual Layer) and CD-R / RW
Compatible Media Formats: CD-DA, MP3, WMA, VCD, SVCD, Xvid, AVI, MPEG1 / 2
Signal to Noise Ratio: >95dBA
Dynamic Range: >95dB
Frequency Response: 20Hz to 20 kHz, -3dB
Channel Separation: > 60dB @ 1 kHz
D/A Converter: High performance 24-bit / 192 kHz sample rate, Multi-Bit Sigma-Delta Modulator

Video

Format: NTSC, PAL (auto-detection)
Output: 1Vp-p (75-ohm)
Input: 1Vp-p (75-ohm)

FM Tuner

Tuning Range: 87.5MHz - 107.9MHz
Mono Sensitivity (-30dB): 9dBf
Quieting Sensitivity (-50dB): 15dBf
Alternate Channel Selectivity: 70dB
Signal to Noise Ratio @ 1 kHz: 58dB
Image Rejection: 80dB
Stereo Separation @ 1 kHz: >30dB
Frequency Response: 30Hz - 15 kHz, -3d

AM Tuner

Tuning Range: 530 kHz - 1720 kHz
Sensitivity (-20dB): 15uV
Signal to Noise Ratio @ 1 kHz: 50dB
Image Rejection: 60dB
Frequency Response: 50Hz - 2 kHz, -3dB

Monitor

Screen Size: 7.0" (Measured diagonally), 16:9 Widescreen, 6.06" (154.1mm) W X 3.42" (87mm) H
Screen Type: TFT Liquid Crystal Display (LCD) active matrix
Resolution: 336,960 sub pixels, 1440 (W) X 234 (H)

General

Auxiliary Input impedance: 10k
Power Supply: 11 to 16VDC, negative ground
Power Antenna (Blue): 500mA max, current limited protection
Amplifier Remote (Blue/White): 500mA max, current limited protection

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Operating Temperature: -20C ~ 65C
Fuse: 15-amp, mini ATM type
DIN chassis dimensions: 7" X 7" X 2" (178mm x 178mm x 50mm)

CEA Power Ratings

Power Output: 13 Watts RMS x 4 channels into 4-Ohms @ ≤ 1% THD+N
Signal to Noise Ratio: 70dBA below reference (Reference: 1 Watt, 4-Ohms)
Frequency Response: 20 Hz - 20 kHz, -3dB. (Aux Input used as reference input)
Reference Supply Voltage: 14.4VDC

**Specifications subject to change without notice.*

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Audiovox Electronics Corporation
Hauppauge, NY 11788
Technical Assistance: 1-800-323-4815
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Installation Guide
Instruccionnes de Instalación
Instructions d'installation

Para obtener instrucciones en Español, diríjase a la página 5. Pour des instructions en Francais, référez-vous à la page 9.

VM9214

What's in the Box

VM9214 Head Unit
Single DIN Sleeve
Wiring Harness
Parking Brake Sensor Extension Wire
Mounting Hardware
Cosmetic Trim Ring
Remote Control with Battery
3.5mm to 3.5mm Media Adaptor Cable
Owners Manual
Installation Guide

Tools and Supplies

You will need these tools and supplies to install your VM9214:

- Torx type, flat-head and Philips screwdrivers
- Wire cutters and strippers
- Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- Electrical tape
- Crimping tool
- Volt meter/test light
- Crimp connections
- 18 gauge wire for power connections
- 16 – 18 gauge speaker wire

WARNING! Never install this unit where operation and viewing could interfere with safe driving conditions.

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Optional Equipment

- **NAV102**: Allows you to access navigation features. All installation and operating instructions are included with the navigation module.
- **BTM10**: Allows you to connect to a Bluetooth enabled cell phone or other device.
- **Rear Camera**

Disconnecting the Battery

To prevent a short circuit, be sure to turn off the ignition and remove the negative (-) battery cable prior to installation.

NOTE: If the VM9214 is to be installed in a car equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation to avoid causing a short circuit.

Pre-installation

1 Remove the four screws that attach the mounting sleeve to the radio and remove the sleeve.

2 Install the mounting sleeve.

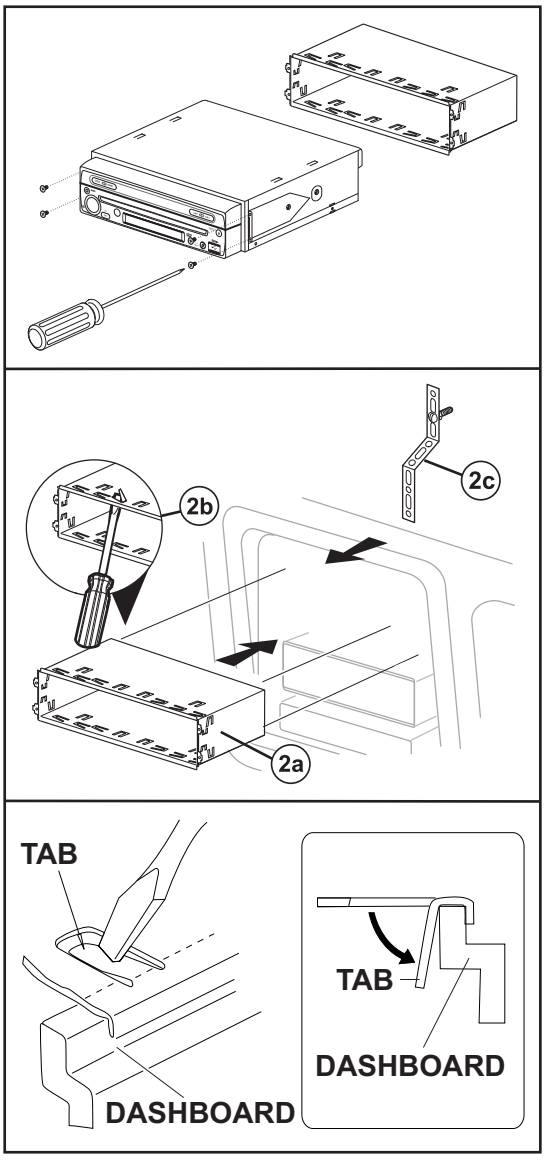
a. Install mounting sleeve into the dashboard or optional adapter. Do not force the sleeve into the opening or cause it to bend or bow.

b. Locate the series of bend-tabs along the top, bottom and sides of the mounting sleeve. With the sleeve fully inserted into the dashboard opening, bend as many of the tabs outward as necessary so that the sleeve is firmly secured to the dashboard.

c. Install support strap to make the unit more stable.

3 Place the radio in front of the dashboard opening so the wiring can be brought through the mounting sleeve.

CAUTION! Be careful not to damage the car wiring.



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Wiring

WARNING! Only connect the unit to a 12-volt power supply with proper grounding.

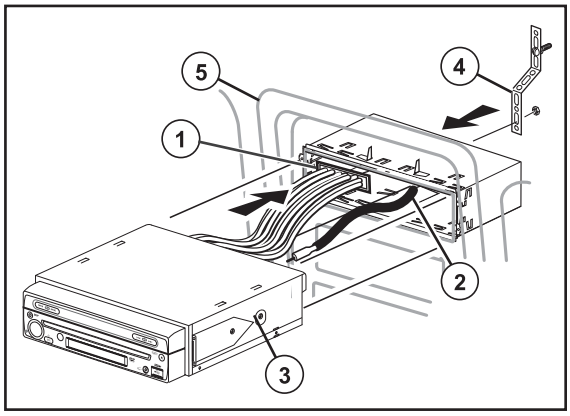
Complete wiring as illustrated in the wiring diagram on page 4. Once the wiring is complete, reconnect the battery negative terminal. If there is no ACC available, connect the ACC lead to the power supply with a switch.

NOTE: When replacing a fuse, be sure to use correct type and amperage to avoid damaging the radio. The VM9214 uses one 15 amp fuse, located in the black filter box in-line with the main wire harness.

Final Installation

After completing the wiring connections, turn the unit on to confirm operation (ignition switch must be on). If unit does not operate, recheck all wiring until problem is corrected. Once proper operation is achieved, turn off the ignition switch and proceed with final mounting of the chassis.

1. Connect wiring adapter to existing wiring harness.
2. Connect antenna lead.
3. Carefully slide the radio into the mounting sleeve, making sure it is right-side-up, and secure with the original 4 screws.
4. Attach one end of the perforated support strap (supplied) to the screw stud, which is screwed into the threaded insert on the back of the unit, using the hex nut provided. Fasten the other end of the perforated strap to a secure part of the dashboard either above or below the radio using the screw and hex nut provided. Bend the strap to position it as necessary.
5. Replace any items you removed from the dashboard.

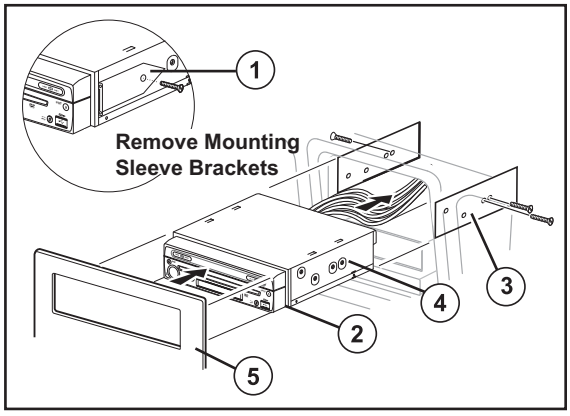


CAUTION! The rear of the radio must be supported with the strap to prevent damage to the dashboard from the weight of the radio or improper operation due to vibration.

NOTE: For proper operation of the CD/DVD player, the chassis must be mounted within 20° of horizontal. Make sure the unit is mounted within this limitation.

ISO-DIN Installation

1. Remove mounting sleeve brackets.
2. Remove trim ring.
3. Mount factory brackets on new radio using existing screws from old radio.
4. Slide radio chassis into dash opening and secure.
5. Re-install dash panel.



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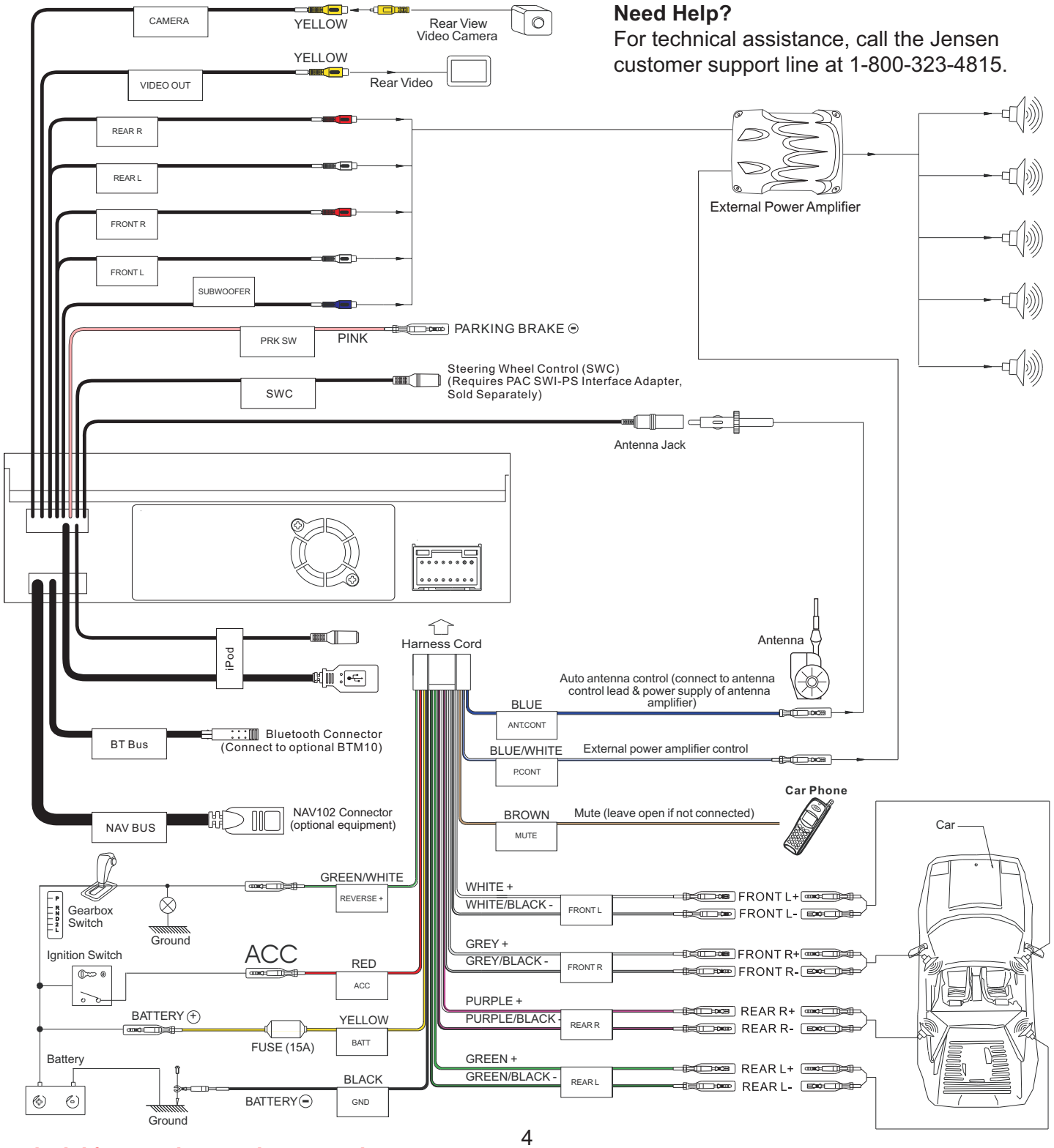
Wiring Diagram

IMPORTANT: Incorrect wiring connections can damage the unit. Follow the wiring instructions carefully, or have the installation handled by an experienced technician.

For basic iPod connectivity, you can use the white 30-pin to USB iPod cable that came with your Apple device . For iPod video or photo playback, you must purchase the jLink-USB cable. Connect the iPod cable to the rear chassis iPod inputs (USB / 3.5mm connectors) and route the iPod cable to an accessible part of the dash area for easy connectivity. For occasional iPod use, keep an iPod cable in your glove box and use it to connect the iPod to the front USB connector.



Need Help?
For technical assistance, call the Jensen customer support line at 1-800-323-4815.

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Limited Warranty

CD or Multimedia Radios/Headunits

DO NOT RETURN THIS PRODUCT TO THE STORE

Audiovox Electronics Corporation ("the Company") is committed to quality and customer service, and are pleased to offer you this Warranty. Please read it thoroughly and contact the Company at 1-800-323-4815 with any questions.

Who is covered?

The Company extends this warranty to the original retail purchaser of products purchased through an authorized Audiovox retailer in the U.S.A., Puerto Rico or Canada. This warranty is not transferable or assignable. Proof of purchase is required in the form of an original sales receipt.

What is covered?

The Company warrants that should this product or any part thereof, under normal use, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with a new or reconditioned product (at the Company's option) without charge for parts and repair labor.

What is not covered?

This Warranty *does not* cover the following:

- Damage incurred during shipping or transporting the product to the Company or a service center
- Elimination of car static or motor noise
- Defects in cosmetic, decorative or non-operative structural parts
- Correction of antenna problems
- Costs incurred for installation, removal or reinstallation of the product
- Consequential damage to compact discs, USB devices, digital media cards, accessories or vehicle electrical systems
- Damage caused by improper installation, mishandling, misuse, neglect, accident, blown fuse, battery leakage, theft or improper storage
- Products whose factory serial number/bar code label(s) or markings have been removed or defaced
- Damage resulting from moisture, humidity, excessive temperature, extreme environmental conditions or external natural causes

Please review the "Care and Maintenance" section of your Installation and Operation Manual for additional information regarding the proper use of your product.

Limitations

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Obtaining Warranty Service

- To obtain repair or replacement within the terms of this Warranty, call 1-800-323-4815 for the location of a warranty station serving your area.
- You must prepay the initial shipping charges to the Company. The Company will pay the return shipping charges for all warranteed products returned to an address within the U.S.A., Puerto Rico or Canada.
- Please package the product securely to avoid shipping damage. We recommend using a carrier that provides tracking service to prevent lost packages. Lost or damaged packages are not covered by this warranty.
- Provide a detailed description of the problem(s) for which you require service.

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Garantía Limitada

NO RETORNE ESTE PRODUCTO A LA TIENDA

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Audiovox Electronics Corporation ("la Compañía) es una corporación comprometida con la calidad y el servicio al cliente, y se complace en ofrecerle esta Garantía. Por favor, léala completamente y contacte a la Compañía al 1-800-323-4815 por cualquier duda.

¿Quién está cubierto?

La Compañía extiende esta garantía al comprador minorista original de los productos comprados a un distribuidor Audiovox autorizado en USA, Puerto Rico o Canadá. Esta garantía no es transferible o asignable. Se requiere prueba de compra en forma de recibo de venta original.

¿Qué está cubierto?

La Compañía garantiza que si este producto o cualquier parte del mismo, bajo uso normal, se prueba que tiene defectos en materiales o mano de obra dentro de los 12 meses desde la fecha de compra original, dichos defectos serán reparados o reemplazados con un producto nuevo o reacondicionado (a opción de la Compañía) sin costos por repuestos o por labor de reparación.

¿Qué no está cubierto?

Esta Garantía *no cubre* lo siguiente:

- Daños ocurridos durante el envío o transporte del producto a la Compañía o al centro de servicio
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- Defectos en cosmética, partes estructurales decorativas o no operativas
- Corrección de problemas de antena
- Costos incurridos por instalación, retiro o reinstalación del producto
- Daños consecuentes a discos compactos, dispositivos USB, tarjetas multimedia digitales, accesorios o sistemas eléctricos del vehículo
- Daños causados por instalación inadecuada, mal manejo o uso, negligencia, accidentes, fusibles quemados, goteras en la batería, robo o almacenamiento inadecuado.
- Productos cuyo número de serie o código de barra de fábrica o sus marcas hayan sido quitados o borrados
- Daños resultantes de la humedad, temperatura excesiva, condiciones medioambientales extremas o causas naturales externas

Por favor, revea la sección "Cuidados y Mantenimiento" de su Manual de Instalación y Operación para obtener información adicional relacionada al uso adecuado de su producto.

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Obteniendo el Servicio de Garantía

- Para obtener reparación o reemplazo dentro de los términos de esta Garantía, llame al 1-800-323-4815 por la ubicación de un servicio de garantía en su área.
- Usted debe pagar previamente los costos de envío inicial a la Compañía. La Compañía pagará los costos de envío de retorno de todos los productos en garantía enviados a direcciones dentro de USA, Puerto Rico o Canadá.
- Por favor empaquete el producto de forma segura para evitar daños en el transporte. Recomendamos usar una empresa de transporte que provea servicio de rastreo para prevenir la pérdida de paquetes. Paquetes perdidos o dañados no están cubiertos por esta garantía.
- Provea una descripción detallada del problema o problemas por los cuales usted requiere servicio.

Garantie Limitée

NE RENVOYEZ PAS CE PRODUIT AU MAGASIN

Radios CD ou Multimédia / Unités principales

Audiovox Electronics Corporation (la Société) s'engage à la qualité et au service des clients, et est content de vous offrir cette garantie. Nous vous prions de le lire attentivement et prendre contact avec la Société au 1-800-323-4815 avec des questions.

Qui est couvert ?

La Société étend cette garantie à l'acheteur d'origine en détail des produits achetés à un détaillant autorisé d'Audiovox aux Etats-Unis, Puerto Rico ou Canada. Cette garantie ne peut pas être transférée ni aliénée. Preuve d'achat est exigé sous forme du récépissé de vente d'origine.

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La Société garantit que si ce produit ou une partie de ce produit, sous l'utilisation normale par l'acheteur d'origine, dans des conditions normales, s'avère défectueux en matériel ou en artisanat, dans 12 mois depuis la date d'achat d'origine, de tels défauts seront réparés ou remplacés avec un nouveau produit ou un produit reconditionné (à la seule discrétion de la société) sans frais pour les pièces de rechange ou le travail réparateur.

Ce qui n'est pas couvert ?

Cette garantie *ne* couvre pas le suivant :

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- Elimination des parasites de voiture ou le bruit du moteur
- Des défauts dans des parties cosmétiques, décoratives ou structurelles non-opératives
- Rectification des problèmes d'antenne
- Le coût de l'installation, de l'enlèvement ou de la réinstallation du produit
- Dommages indirects aux disques compacts, des engins USB, des cartes de média digitales, des accessoires ou le système électrique du véhicule
- Des dégâts survenus à cause de la manipulation mauvaise, l'installation incorrecte, mauvaise utilisation, négligence, des accidents, des fusibles sautés, fuite de la pile, du vol et du stockage incorrect
- Produits soumis à l'enlèvement ou la dégradation du numéro de série d'usine/étiquettes de code à barres ou des marquages.
- Des dégâts survenus à cause de la moisissure, l'humidité, des températures excessives, des conditions environnementales extrêmes ou des causes naturelles externes

Veuillez revoir la section Soin et Entretien de votre Guide d'Opération, pour avoir des informations supplémentaires quant à la bonne utilisation de votre produit.

Limitations

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Obtenir le service de garantie

- Pour obtenir la réparation ou le remplacement dans les termes de cette garantie, appelez 1-800-323-4815 pour avoir l'emplacement d'une station de garantie qui dessert votre région.
- Si le produit est envoyé pour un service de garantie vous devez payer les frais de transportation de départ. La Société payera la transportation de retour pour tout produit sous garantie si le produit est retourné à une adresse située aux Etats-Unis, Puerto Rico ou Canada.
- Assurez-vous que le produit soit bien emballé pour éviter des accidents pendant la transportation. Nous recommandons un transporteur qui fourni un service de dépistage pour éviter la perte des paquets. Des paquets perdus ou endommagés ne sont pas couverts par cette garantie.
- Fournissez une description détaillée des problèmes que vous voulez faire résoudre par le service de garantie.

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